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GEOLOGICAL, GEOCHEMICAL, AND  
GEOPHYSICAL REPORT  
ON THE  
GOLD WEATHER GROUP  
LOCATED IN THE  
OSOYOOS MINING DIVISION  
NORTHWEST OF  
HEDLEY, B. C.

PROPERTY : 49° 28' N Latitude  
120° 10' W Longitude  
NTS 92H/8E

FILMED

OWNER/ OPERATOR : Golden Dawn Explorations Ltd.  
302-540 Burrard St., Vancouver, B.C.

WRITTEN BY: Michael R. Sanford, Geologist  
Box 225, Hedley, B.C.

DATED : December 28, 1986

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,869**

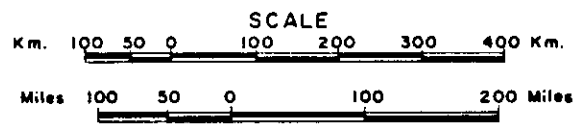
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**GOLDEN DAWN EXPLORATIONS LTD.**

**PROPERTY LOCATION MAP**



120° 09'  
HANNA 2430 (6)

GOLDEN MIST  
1664 (2)

GOLD HAZE  
1665 (2)

GOLD  
DOG  
1670 (2)

GOLD BREEZE  
1667 (2)

GOLD CLOUD  
1666 (2)

GOLD  
FROG  
1671 (2)

GOLD STAR  
1668 (2)

STAKED

GOLD RITE  
1669 (2)

49° 28'

49° 25'

GOLDEN FLEA  
1828 (2)

GOLD  
TOOTH  
1829 (2)

STAKED

STAKED

Arcot  
Ck

Mc Nully  
Ck

Hedley  
Ck

Similkameen R.

PICKER  
Ck



1Km 0 1Km 2Km

N.T.S. 92 H/8 E

<b>GOLDEN DAWN EXPLORATIONS LTD.</b>			
HEDLEY CAMP PROJECT			
OSOYOOS M.D.			
HEDLEY, B.C.			
<b>CLAIM LOCATION MAP</b>			
1 50,000	Aug 83	Sheet no 2	BDS

## I. INTRODUCTION:

From the first of April, 1986, to the 15th of November, 1986, a general exploration program was carried out on the Gold Weather Group mineral claims, belonging to Golden Dawn Explorations Ltd. The program was managed by the author, M. R. Sanford, of Banbury Gold Mines Ltd., at the request of Mr. D. Dewar of Golden Dawn Exploration Ltd.

A summary of the work that was completed on the property is as follows:

1. Grid establishment: 5.0 km of cut base line; 200 km flagged line on the Golden Mist, Gold Haze, and Hanna claims.
2. Geological survey: covering all the claim units; mapped in detail over the grid area.
3. Geochemical survey: 229 soil samples taken on 100m. lines with 50m. sample intervals; analysed for Au, As, Ag, Zn, Cu, Pb, Co, Bi, Mo, Sb, and W taken over part of the grid area.
4. Geophysical survey:
  - A. Magnetometer Survey 29.5 km
  - B. VLF-EM Survey 29.5 km
  - C. I. P. Survey (chargeability and resistivity) 15.5 km
5. Road building: 3.2 km access road, plus clearing and maintaining 24 km logging road into the property.

## II. THE PROPERTY:

The Gold Weather Group consists of six claims totalling 98 units as follows:

CLAIM NAME	RECORD NO.	UNITS	EXPIRY DATE
Golden Mist	1664	16	Feb. 22
Gold Haze	1665	18	Feb. 22
Gold Cloud	1666	18	Feb. 22
Gold Breeze	1667	18	Feb. 22
Gold Dog	1670	12	Feb. 22
Hanna	2430	16	June 6

### Ownership

The claims are owned by Golden Dawn Explorations Ltd., of Vancouver, B.C.

### Location

The Gold Weather Group is located 12 km NNW of Hedley, B.C. between the headwaters of Arcat Creek and McNulty Creek. It is bounded to the south by existing claims, and is unbounded on all other sides.

### Access

Good access to the property is obtained via the McNulty Creek logging road, and by the roads that have been constructed during the current phase of exploration. The logging road leads north from Highway #3, approximately 4km west of Hedley, B.C.

### Physiography

The property lies at the southern end of the physiographic division known as the Thompson Plateau System. The terrain varies from moderate slopes throughout most of the property to steep slopes occurring mostly along McNulty Creek.

The general trend of the topography runs north-northeasterly which is parallel to nearby McNulty Creek. Elevations vary from 1460 meters a.s.l. along the eastern property boundary to 1,830 meters a.s.l. within the northwest corner of the property.

The main water sources would be McNulty Creek, Arcat Creek and two tributaries of McNulty Creek which cross the property. Otherwise the property is fairly dry and water supply would depend on seasonal run-off.

The forest cover consists of fir, pine and spruce and varies from closely growing, immature stands to more widely spaced, mature stands.

### III. HISTORY:

#### Regional History

Placer gold in the Similkameen River was discovered in the mid-eighteen-hundreds and actively worked until the turn of the century. The first major discovery of lode gold in the region was on Nickel Plate Mountain in 1897. Since then the area has had a long history of gold mining and between 1902 and 1955 approximately 51 million grams (1.6 million ounces) of gold were won from several mineralized skarn orebodies. Most production came from the Nickel Plate and Hedley Mascot mines located near the summit of Nickel Plate Mountain. Total production from the smaller French, Canty, Good Hope and Banbury mines was approximately 1.8 million grams of gold. Mineralization is also seen at the Peggy (Hedley Amalgamated) and Gold Hill properties.

The Hedley district was geologically mapped more than 40 years ago (Camsell, 1910; Bostock, 1930, 1940a, 1940b) but since that time little regional geological work has been done. The areas immediately surrounding some of the gold producers were mapped and studied in detail (Warren and Cummings, 1936; Dolmage and Brown, 1945; Lee, 1951), but less attention was devoted to either the regional geology or synthesising and comparing the various gold-bearing deposits in the district.

Interest in the Hedley gold camp has recently revived due to Mascot Gold Mines Limited planned 1987 reopening of the Nickel Plate mine as an open-pit operation (Simpson and Ray, 1986). Current open-pit reserves total approximately 6.5 million tonnes of ore grading 5.1 grams gold per tonne.

Banbury Gold Mines, currently under option to Noranda Exploration, has also created interest in the Hedley camp in prospects peripheral to Mascot Gold Mines Ltd.

III. HISTORY (contd.)Property History

The property is fairly remote, and has been, until recent years, accessible only by foot path. Nevertheless, there has been considerable interest in the property for many years, as evidenced by the several large old pits and trenches that exist in places. These are unrecorded in any known literature.

More recently, the following work has been carried out over the claims:

1. 1983: airborne magnetic and VLF-EM surveys over the entire property, by Geotronics Surveys Ltd.
2. 1984: local geological and geophysical surveys completed over the areas of potential as outlined by the 1983 survey, and compiled in a report by Sookochoff Consultants Ltd.
3. 1985: extensive prospecting and sampling of rock samples.



#### IV. GEOLOGY:

##### Regional Geology

The Hedley region is underlain by sedimentary and volcanoclastic rocks of the upper-Triassic Nicola Group. These rocks are moderately deformed in the Hedley area, and are folded along north-south axial planes. The entire package appears to be 2000m thick.

As did Bostock in 1930, G. Ray of the B. C. Department of Mines divides the package in two, comprised of an older Hedley sequence to the east, and overlain by the younger Whistle Creek sequence to the west. A description of these sequences from the 1986 B. C. Department of Mines report by Ray, et al, follows:

"... our preliminary work indicates that the package can be informally separated into a younger Whistle Creek sequence to the west and an older Hedley sequence to the east. The latter comprises a generally westerly dipping, 450 to 600-metre-thick succession of sedimentary rocks that are characterized by thin-bedded, calcareous and cherty turbiditic siltstones, black argillites and impure limestone beds of variable thickness. Some parts of the Hedley sequence, particularly its upper portion, contain appreciable amounts of fine-grained volcanoclastic and crystal tuff material ....

"The Hedley sequence passes stratigraphically upwards into the 700 to 1200-metre-thick Whistle Creek sequence. This forms a generally westerly dipping, west-facing succession that mainly underlies the western portion of the district although small, downfaulted outliers of the sequence are present east of Hedley township and in the vicinity of Lookout Mountain. It contains tuffaceous siltstones and rare argillites in its lower portion, but higher in the succession is characterized by bedded to massive ash and lapilli tuffs with minor volcanic breccia. The Whistle Creek sequence is distinguished from the underlying rocks by a general lack of limestones and a predominance of volcanoclastic material. No volcanic flows have been identified in the sequence.

IV. GEOLOGY (contd.)Regional Geology contd.

"The Whistle Creek sequence is divisible into three stratigraphic units, the oldest (Unit A) is believed to be Late Triassic in age, while the precise age of the upper two younger units (Units B and C,) is uncertain. Unit A is mainly comprised of well-bedded to massive ash tuffs of andesitic to basaltic composition. In its lower portion the unit is predominantly sedimentary in character and includes tuffaceous siltstones, interbedded with thin horizons of well-bedded to massive crystal-lithic tuff. Higher in the unit, ash tuffs with minor lapilli tuffs and volcanic breccias predominate; individual horizons are thicker and more massive, and sedimentary bedding is uncommon. Thin-section studies reveal that many ash tuffs in Unit A contain abundant euhedral, pristine crystals of plagioclase and pyroxene that show little evidence of mechanical abrasion or transportation.

"The stratigraphically overlying Unit B which underlies the area northeast of Lookout Mountain and also outcrops in the vicinity of Ashnola Hill has a maximum thickness of approximately 300 meters. It is characterized by massive, grey-colored ash tuffs of probably dacitic composition. These tuffs carry well-rounded, partially resorbed volcanogenic quartz crystals, and locally contain angular lapilli of dacite, rhyolite, and quartz porphyry.

"The youngest rocks in the Whistle Creek sequence (Unit C) are confined to the southern part of the area, southwest of Ashnola Hill, and have an estimated thickness of 200 meters. They comprise mainly fresh, massive, dark green crystal-lithic tuffs of andesitic to basaltic composition many of which are characterized by abundant, large, euhedral plagioclase crystals.

"The Whistle Creek and Hedley sequences are separated by a limestone boulder conglomerate which forms the most distinctive and important stratigraphic marker horizon in the district. This conglomerate is best developed west of"

IV. GEOLOGY (contd.)Regional Geology contd.

"of Hedley where it forms a northerly trending, steeply dipping unit that is traceable discontinuously for over 15 kilometres along strike. Remnant outliers of the same conglomerate are also seen further east, in the Nickel Plate mine-Lookout Mountain vicinity, where it was originally called the "Copperfield breccia...."

"The Copperfield conglomerate is best developed and exposed west and northwest of the Banbury Gold Mines property where it reaches its maximum thickness of 200 metres. Elsewhere, it is often less than 10 metres thick, but is well developed south of Lookout Mountain (100 metres thick), and southeast of Ashnola Hill (70 metres thick). The conglomerate varies from clast to matrix supported and is characterized by abundant, well-rounded to angular pebbles, cobbles, and boulders of limestone generally up to 1 metre in diameter. In some localities, rare limestone blocks and olistoliths up to 15 metres in diameter are present, usually at the stratigraphic base of the conglomerate.

"The Copperfield conglomerate is interpreted to be an olistostrome. It probably resulted from the catastrophic slumping of an unstable accumulation of reef debris down a steep submarine slope, and the widespread, chaotic deposition of this mess onto a sequence of unlithified, deeper water turbidites....

"Sedimentary indicators show that the Hedley and Whistle Creek sequences generally young westward. Measurements of crossbeds and flame structures indicate that the Hedley sequence, and Unit A of the Whistle Creek sequence were deposited by northwesterly to southwesterly directed paleocurrents.

"Three plutonic suites are recognized in the area. The oldest is probably Middle Jurassic in area and comprises massive, coarse-grained, hornblende bearing diorites, quartz diorites and minor gabbros of the Hedley intrusions (Rice, 1947). Potassium-argon age dates from these rocks range between 170 and 190 million years (Roddick et al., 1972). These rocks form major stocks up to 1.5 kilometres in diameter and swarms of thin sills

IV. GEOLOGY (contd.)Regional Geology contd.

"and dykes, up to 200 metres in thickness and over 1 kilometre in strike length. The suite is absent in the Apex Mountain Group, but further west is widespread throughout the Upper Triassic rocks in the Hedley district. Most of the Hedley intrusions are concentrated along a northerly trending, elongate zone that coincides with the slope-related change of sedimentary facies in the Hedley sequence. Varying degrees of sulphide-bearing skarn alteration are developed within and adjacent to many of these intrusions. Some previous workers (Billingsley and Hume, 1941; Dolmage and Brown, 1945) considered this plutonic suite to be genetically related to the skarn-hosted gold mineralization in the district, including that at the Nickel Plate, Hedley Mascot and French mines. The preliminary geochemical and mapping results of this project support their conclusion.

"The second plutonic suite, the Similkameen intrusions, comprises coarse, massive, biotite hornblende-bearing granodiorite of presumed Late Jurassic age; most potassium-argon ages from these rocks range from 150 to 160 million years (Roddick et al., 1972). These intrusions generally form large bodies such as the Pennask pluton which outcrops northwest of Hedley and a granodiorite body outcropping between Winters Creek and Hedley township referred to as the Cahill Creek Pluton type in the region....

"The third and youngest intrusive suite in the district is represented by a fine-grained, felsic quartz-bearing porphyry that cuts and postdates the Cahill Creek pluton. These rocks are characteristically leucocratic and contain rounded, partially resorbed quartz phenocrysts up to 4 millimetres in diameter. Sills and dykes, generally less than 3 metres wide, are widespread but not abundant throughout the area. West of Ashnola Hill one 300-metre-wide, 1.3-kilometre-long dyke-like body of quartz porphyry is controlled by the west-southwest-trending Cahill Creek fracture zone."

IV. GEOLOGY (contd.)Property Geology

The Gold Weather Group claims were mapped at a scale of 1:5000 during June and July, 1986, by Peter Peto, Geologist.

A large N-S trending roof pendant of rocks of the Whistle Creek sequence underlies a major portion of the property. This roof pendant is surrounded to the north, east, and west by the extensive Pennask Pluton. The roof pendant rocks are interpreted to be the upper part of G. E. Ray's Unit A to the south-east (Unit 1, P. Peto), Unit B exposed in the southwest part of the grid (Unit 2, P. Peto), and Unit C to the northwest (Unit 3, P. Peto).

The following is a description of the geology from a brief summary written by P. Peto:

"The Nicola roof pendant consists of andesitic volcanoclastic tuffs belonging to the Upper Whistle Creek Sequence. They have been subdivided into thinly bedded, fine-grained assemblage of ash tuffs (Unit 1) which occur along the south-east portion of the grid. A major northwest trending fault lineament separate these from coarser grained, massive to thickly bedded crystal-lithic tuffs (Unit 2) exposed atop a hill in the southwestern portion of the grid. Bedding trends northerly and dips moderately to steeply westward. These tuffs become progressively thinner and more hornfelsed northward along strike. The relatively fresh texture becomes coarser grained and recrystallized into secondary biotite and feldspar resembling schists and hybrid gneiss (Unit 3) along the contact and floor of the pendant. Bedding is destroyed and an easterly foliation is developed. South of the grid the contact is sharp, nearly vertical and characterized by only minor hornfelsing, brecciation and intense fracturing. To the north the contact is indistinct and sheared due to progressive assimilation by Unit 4, a medium grained, leucocratic, biotite granodiorite comprising the Okanagan batholith of Middle Jurassic age. The roof facies of the batholith is well exposed at station 75N & 9250E where it consists of irregular segregations of milky "

IV. GEOLOGY (contd.)Property Geology contd.

"quartz and feldspathic pegmatite. A body (Unit 5) of grey, to medium grained biotite-hornblende granodiorite or diorite occurs immediately east of the roof pendant on lines 67, 68 and 69N. This rock is highly magnetic and probably accounts for the aeromagnetic high observed in that area. Its contact was not observed so its relationship to Unit 4 is conjectural. I suspect it represents a small plug. The roof pendant is cut by north trending granitic to granodioritic porphyry dykes (Unit 6). A small body of Unit 6 is located near the base line along lines 56, 57 and 58N. It is generally pyritic and may carry molybdenite. Small amounts of chalcopyrite may be found in hornfelsed tuffs near this area. A highly pyritic granite dyke occurs along the ridge at 69N & 75E in disturbed hornfels. An east trending cross-fracture, perhaps 1 to 2 meters wide, carries much pyrrhotite and pyrite with some chalcopyrite and was the subject of several shallow open cuts from which four rock samples were collected for assay."

It is thought that the mafic intrusion (Unit 5, P. Peto) encountered on the grid immediately to the east of the roof pendant rocks may be a Hedley intrusion. This is discussed later in this report in the section dealing with geophysics.

## V. GEOCHEMICAL SURVEY:

The survey was conducted on 100m lines with 50m spacings between lines 63N and 73N and between 10,000E and 11,000E, and on 200m lines with 50m spacings between lines 69N and 73N and between 9,000E and 10,000E. The samples were taken from the B horizon, and analysed for Au, Ag, As, Zn, Cu, Pb, Mo, Co, Bi, Sb, W. The results for Au, As, Zn, and Cu are plotted on Map II.

The soil was taken at a depth of 20cm to 50cm and was red-brown to buff-brown in colour.

### Anomaly A

A strong NW-SE trend is evident through the central part of the grid for Zn, Cu, and As. This forms an anomaly 1300m long by 150 to 200m wide that is open to the NW and SE. It is strongest in the survey area on line 69N at 3800E, roughly in the center of the anomaly. Weak to moderate anomalous gold values accompany the anomaly to the S.E.

### Anomaly B, C.

Anomalous values in gold lie on the same trend as Anomaly A from 250 to 500m to the NE.

These are discontinuous, and range between 20 and 100 ppb. As well as having the same rough NW-SE trend as Anomaly A, the anomalous gold in soils appears to be distributed around Unit 5, the diorite intrusive centered on line 69N at 10325E. Anomaly B is roughly 100m long centred on line 68N at 10400E. Anomaly C is similar in area, centered on line 67N at 10,650E and may be on strike with Anomaly B.

### Anomaly D

This is a molybdenum-tungsten anomaly that runs N75W along the northern part of the survey area. It corresponds with a major fault zone, and is strongest at the intersection of the east-westerly trending fault and the NW-SE trending roof pendant. It is roughly 1000m long and from 100m to 300m wide.

## VI. GEOPHYSICAL SURVEYS:

### Historical Surveys

During 1983 airborne magnetometer and VLF-EM surveys were carried out over the Golden Mist, Gold Haze, Gold Breeze, Gold Cloud and Gold Dog claims. The following are excerpts from the report dated October 5, 1983 by D. G. Mark, Geophysicist:

"The most prominent feature on the Golden Dawn property is a strong magnetic high reaching a magnitude in excess of 2,100 gammas. It is located in the northeast corner of the property. It is part of a series of 2 magnetic highs striking northwesterly with the other magnetic high occurring to the southeast. There is a good possibility that these highs are reflecting gabbro intrusives. In the Nickel Plate Mine gabbro intrusives seemed to be related to the gold mineralization and occurred in close proximity.

"This trend of highs could also reflect a phase of Coast Intrusive granodiorites that is significantly more magnetic than the rest of the intrusive body. This corner of the property, according to the GSC geology map, is underlain by granodiorite....

"The possible interpretation of the magnetics as given above is in disagreement with the geology as mapped by the G.S.C. (Refer to the section on geology). The possibility is that the G.S.C. map could well be wrong or at least partially wrong, considering the amount of overburden. Alternatively, the magnetic field is not closely related to the lithology as mapped by the G.S.C. In other surveys in the area, however, the writer has noted magnetic surveys to closely map geology. Only geological mapping will help determine this. In other words, the magnetic information can be made much more useful when coupled with a better knowledge of the geology.

"The major cause of VLF-EM anomalies, as a rule, are geologic structure such as fault, shear and breccia zones. It is therefore logical to interpret VLF-EM anomalies to likely be caused by these structural zones. Of course, sulphides may also be a causative source. But in the



VI. GEOPHYSICAL SURVEYS (contd.)Historical Surveys contd.

"writer's experience, when VLF-EM anomalies correlate with sulphide mineralization, the anomalies are usually reflecting the structure associated with the mineralization rather than the mineralization itself....

"Several lineations that are indicative of faults have been mapped across the property striking in virtually all directions. The lineations cross each other on the property in different areas. Structure is often important for the emplacement of mineralizing fluids especially where lineations intersect. Thus these areas may have greater exploration interest."

In his concluding remarks, he makes the following points

"1. The airborne magnetic survey has revealed a very strong magnetic high that occurs in the northeastern corner that could be caused by a gabbro intrusive. These intrusives seem to be related to gold mineralization in the Hedley mining camp.

2. The magnetic survey has indicated different lithological boundaries than that as mapped by the G.S.C. For example, the location of the Nicola volcanics and sediments are shifted to the west as are the Princeton basalts.

3. Both the VLF-EM and magnetic surveys revealed lineations within the survey area that are likely caused by fault, shear and/or contact zones. These usually are important indicators of sulphide and native gold mineralization especially where the lineations cross.

4. There are also some strong VLF-EM single-line conductors that are possibly caused by gold and/or sulphide mineralization.

Present Work

The geophysical survey conducted in 1986 included magnetic and VLF-EM surveys, as well as an I.P. survey where the chargeability and resistivity of the rocks were measured. The surveys were conducted over the Nicola volcanoclastic rocks, as well as the Hedley intrusives and the Pennask pluton. Readings were taken at 25m intervals on E-W lines.

VI. GEOPHYSICAL SURVEYS (contd.)Present Work contd.

A Scintrex MP.4 was used for the magnetometer survey, and the total field strength was measured in a T. A Scintrex VLF-4 was used for the VLF-EM survey and the station used was Seattle, NLK, broadcasting at 24.8 KH.

A Scintrex IPR-10 Time Domain Receiver and 250 W Time Domain Transmitter was used for the I.P. survey. The Schlumberger array was used with AB=175m and MN=25m.

Whereas D. G. Mark concludes that there is some disagreement between geophysical results and the geology, the present survey suggests that the relationship between the two is very good. Possibly this may be attributed to the inherent slop in the airborne survey, or to the fact that the geology is more complex than is presented in existing regional maps of the area. The magnetic survey indicates a broad, strong anomaly running from line 74N/9600E to line 60N/10,800E. This confirms the trend in both the geology and geochemistry. The strongest portion of the anomaly accompanies the NE contact between the roof pendant volcanoclastics and the intrusive rocks. The diorite, as mapped by P.Peto, has a weak to moderate magnetic response as compared to the signature of the contact. This is slightly surprising. However, in this writer's experience, the Hedley diorites can often be very complex, and can have magnetic and non-magnetic phases.

Again, the VLF-EM work done shows many strong responses and a diversity of trends on the ground, indicating widespread but weak to moderate faulting. The major trends seem to be NS and NW-SE.

The I.P. surveys indicated several areas of note. These are:

1. a roughly circular zone centered on line 69N at 10325E. This corresponds very closely to the Hedley diorite as mapped by P. Peto.
2. a NW-SE trending zone centered on line 72N at 9350E. This is accompanied by very low resistivity and may indicate connected sulphides on the western contact of the roof pendant.
3. a broad zone of high chargeability centered on line 69N at 9700E. This is roughly 300m in diameter and lies in the center of the Zn, As, Cu geochem anomaly.

## VII. DISCUSSION AND CONCLUSIONS:

The primary trend on the property is in a NW-SE direction, and appears to have a rough correlation with the north-eastern contact of the roof pendant rocks and the intrusive suite. Part of this contact is formed by Nicola Group rocks and a Hedley Diorite. This contact is indicated by a strong mag high, and is flanked by high geochem and chargeability anomalies.

Although the lithology of the country rocks differ distinctly from the Nickel Plate Mountain-Mascot Gold Mines deposit, it is very similar to the lithology which hosts the Canty deposit, and several old gold-arsenic bearing workings that occur in the Whistle Creek area. Very little exploration has been done in this package of rocks in the area. This writer believes that they hold promise in terms of gold mineralization, especially where they have been intruded by Hedley Diorites.

The NW-SE contact area is high in sulphides, as was observed in rock samples taken from old trenches in this area. Pyrrhotite and pyrite are particularly abundant, with trace quantities of chalcopyrite and arsenopyrite being present. The contact area is thought to be a sulphide-enriched channel way that developed as a result of the Hedley Diorite, and was later partially dispersed by the upwelling of the Pennask Pluton. Zones of contact are particularly important in the development of ore bodies in the Hedley Gold Camp.

VIII. RECOMMENDATIONS:

The data collected over the past year's exploration program has indicated a NW-SE trending sulphide-enriched contact zone of possible economic potential. This should be further tested by follow-up exploration consisting of:

1. Geochemical survey: Line 60N to Line 70N from 10,000E to 10,750E should be sampled on 50m lines with 25m stations and analysed for Au, As, Zn, Mo.
2. Geophysical surveys: I.P. should be done to fill in the area between line 58N and line 75N.
3. Roads and trenches: Cat roads should be constructed to areas of interest, and further trenching over areas delineated by soils geochem anomalies, and/or geophysical anomalies should be carried out. The trenches should be washed out, mapped in detail, and thoroughly sampled.
4. Diamond drilling: Should be carried out once the geochem and geophysical data have been collected, presented and interpreted.

IX. ITEMIZED COST STATEMENT

## 1. Geological Survey:

- Geologist - 20 days @ \$250.00.....	\$ 5,000.00
- Assistant - 20 days @ \$100.00.....	\$ 2,000.00
- Food and accommodation, 20 days @ \$25/day for 2 men.....	\$ 1,000.00
- Transportation-20 days @\$35/day...	\$ 700.00

Total \$ 8,700.00

## 2. Geochemical Survey:

- 229 samples @ \$30/sample all inclusive.....	\$ 6,870.00
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## 3. Grid Establishment:

- 3 line cutters - 41 days @ \$100/man.....	\$12,300.00
- Food and accommodation- 41 days @ \$50/day .....	\$ 2,050.00
- Transportation-41 days @ \$35/day..	\$ 1,435.00

Total \$15,785.00

## 4. Geophysical Surveys:

- 10 days @ \$1280/day all inclusive for mag, VLF-EM, I.P.....	\$12,800.00
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## 5. Supervision and Engineering:

- Engineer 25 days @ \$300/day .....	\$ 7,500.00
- Food and Accommodation 25 days @ \$50/day.....	\$ 1,250.00
- Transportation 25 days @ \$50/day	\$ 1,250.00

Total \$10,000.00

## 6. Road Construction

- Dozer hours 205 @ \$92/hr.....	\$18,860.00
- Transportation 22 days @ \$30/day	\$ 660.00
- Dozer mobilization/demobilization	\$ 900.00

Total \$20,420.00

IX. ITEMIZED COST STATEMENT (contd.)

## 7. Report Preparation

- Geologist - 6 days @ \$300/day.....	\$ 1,800.00
- Typing, Drafting, Office Supplies	<u>\$ 440.00</u>
Total	\$ 2,240.00

TOTAL COST OF PROGRAM.....\$76,815.00

X. REFERENCES:

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XI. GEOLOGIST'S CERTIFICATE:

I, Michael R. Sanford, of Hedley, B.C., do hereby certify:

1. that I am a graduate of the University of British Columbia, 1978, and hold a B.Sc. degree in geology.
2. that I have been the geologist for Banbury Gold Mines Ltd. for the past 6 years.
3. that I have been active in the field of mineral exploration for the past 12 years.
4. that this report is based on data collected from April 1st, 1986 to November 15th, 1986, on the Gold Weather Group claims in the Osoyoos Mining Division, for Golden Dawn Explorations Ltd.
5. I hereby grant my permission for Golden Dawn Explorations Ltd. to use this report for a prospectus or statement of material facts.

Dated at Hedley, B.C., this 28th day of December, 1986.

MICHAEL R. SANFORD  
GEOLOGIST



IE ANALYTICAL LABORATORIES LTD.  
 222 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 10 1986

DATE REPORT MAILED: *July 14/86...*

## GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: SOILS -80 MESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

BANBURY GOLD

PROJECT - GOLDEN DAWN FILE # 86-1398

PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
7300N 9000E	1	5	10	23	.1	3	2	3	3	2	4
7300N 9050E	1	7	2	32	.1	2	2	3	2	3	2
7300N 9100E	1	8	8	48	.1	5	3	2	2	1	1
7300N 9150E	1	10	2	42	.1	4	2	2	3	1	1
7300N 9200E	2	1	8	31	.2	1	2	2	3	1	1
7300N 9250E	2	17	4	81	.3	5	4	2	2	1	2
7300N 9300E	11	23	11	88	.3	6	2	2	2	1	2
7300N 9350E	2	30	19	96	.1	9	27	2	3	1	2
7300N 9400E	1	45	15	103	.1	10	8	5	2	1	2
7300N 9450E	1	61	12	118	.1	13	5	2	2	1	1
7300N 9500E	2	45	4	110	.1	8	4	2	2	1	1
7300N 9550E	7	15	10	45	.1	5	3	2	2	1	2
7300N 9600E	21	19	8	75	.1	6	4	2	4	6	1
7300N 9650E	9	12	6	43	.2	5	7	3	2	3	2
7300N 9700E	2	19	14	54	.1	6	3	6	3	2	1
7300N 9750E	12	19	10	204	.1	7	5	2	2	15	2
7300N 9800E	4	11	2	48	.1	4	2	2	3	36	1
7300N 9850E	27	11	6	34	.1	4	6	4	2	31	1
7300N 9900E	12	13	9	68	.1	6	4	2	2	22	1
7300N 9950E	8	9	6	54	.1	5	2	2	2	13	2
7300N 10000E	24	20	12	43	.1	4	2	2	2	10	6
7300N 10050E	10	8	3	18	.1	1	3	2	2	1	14
7300N 10100E	34	16	5	29	.1	5	4	2	2	1	2
7300N 10150E	12	5	6	20	.1	1	2	2	2	1	1
7300N 10200E	26	9	4	33	.1	3	4	2	2	3	5
7300N 10250E	11	6	12	31	.1	3	2	2	2	1	10
7300N 10300E	1	12	6	43	.1	5	2	2	3	1	1
7300N 10350E	1	9	13	23	.1	3	3	2	2	1	1
7300N 10400E	1	9	8	44	.1	3	4	2	2	1	1
7300N 10450E	1	8	15	34	.1	3	5	2	2	1	1
7300N 10500E	1	8	12	29	.1	4	6	2	3	1	1
7300N 10550E	1	11	13	29	.1	4	4	2	4	3	5
7300N 10600E	1	9	17	41	.1	4	4	2	2	3	5
7300N 10650E	1	9	3	46	.2	4	3	3	2	1	1
7300N 10700E	1	7	10	31	.1	2	2	3	3	2	1
7300N 10750E	1	11	4	36	.1	4	2	2	2	2	1
STD C/AU-0.5	21	61	40	132	6.8	31	40	15	22	15	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
7200N 10000E	38	17	7	32	.4	5	3	3	2	24	1
7200N 10050E	51	12	7	33	.5	7	2	2	2	11	1
7200N 10150E	17	17	6	22	.2	4	3	2	2	2	1
7200N 10200E	5	14	5	44	.4	8	2	2	2	3	1
7200N 10250E	4	8	5	34	.2	5	3	2	2	4	4
7200N 10300E	8	3	7	29	.1	4	2	2	2	4	2
7200N 10350E	4	10	5	37	.2	5	6	3	2	3	21
7200N 10400E	3	7	7	34	.2	5	2	3	2	1	1
7200N 10450E	2	9	6	30	.1	3	3	2	2	2	2
7200N 10500E	2	13	8	47	.1	5	2	2	2	2	3
7200N 10550E	1	6	9	76	.1	8	2	2	2	1	1
7200N 10600E	1	6	7	44	.1	6	2	2	2	3	1
7200N 10650E	1	6	7	187	.2	6	2	2	2	1	3
7200N 10700E	1	15	9	82	.1	6	6	2	2	1	2
7200N 10750E	1	9	9	51	.1	5	2	2	2	1	1
7100N 9000E	2	4	8	17	.1	1	2	2	4	1	1
7100N 9050E	1	5	5	25	.1	3	3	2	2	2	1
7100N 9100E	1	17	6	30	.3	3	2	2	2	1	2
7100N 9150E	1	11	7	61	.1	5	2	2	2	2	1
7100N 9200E	1	8	9	29	.2	3	2	2	2	3	1
7100N 9300E	1	32	10	65	.2	6	3	2	2	1	2
7100N 9350E	5	120	6	70	.2	13	5	2	2	4	1
7100N 9400E	3	58	11	62	.3	8	4	2	2	2	1
7100N 9450E	2	28	9	78	.2	7	6	2	2	2	1
7100N 9500E	3	61	11	86	.3	9	5	3	2	2	5
7100N 9550E	2	26	7	88	.3	6	5	3	2	1	1
7100N 9600E	2	14	11	168	.4	6	8	2	2	1	1
7100N 9650E	2	21	7	86	.3	5	5	2	2	1	1
7100N 9700E	2	34	7	72	.2	9	5	2	2	1	1
7100N 9750E	2	51	9	104	.4	12	5	2	2	1	6
7100N 9800E	8	36	9	166	.3	7	4	2	2	3	1
7100N 9850E	1	14	8	66	.1	5	4	2	2	10	1
7100N 9900E	1	14	7	52	.3	7	2	2	2	6	1
7100N 9950E	3	14	9	42	.2	7	2	2	2	18	5
STD C/AU-0.5	20	58	40	126	7.0	28	36	15	18	15	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
7100N 10000E	4	15	13	37	.2	6	2	2	2	19	4
7100N 10050E	9	25	9	106	.5	8	3	2	2	9	13
7100N 10100E	6	5	6	23	.1	4	8	2	2	1	15
7100N 10150E	5	16	6	36	.6	4	2	3	2	2	6
7100N 10200E	6	8	11	36	.1	5	6	2	2	2	4
7100N 10250E	3	8	7	50	.2	5	4	2	2	1	6
7100N 10300E	8	14	10	30	.1	6	2	2	2	3	3
7100N 10350E	9	8	7	24	.1	4	3	2	4	2	1
7100N 10400E	13	17	3	36	.1	7	2	4	2	1	1
7100N 10450E	8	12	8	34	.2	5	7	2	2	1	1
7100N 10500E	15	22	7	36	.3	5	5	2	2	1	8
7100N 10550E	17	9	12	35	.1	5	4	2	6	3	11
7100N 10600E	13	17	9	48	.2	7	8	2	2	3	2
7100N 10650E	4	12	4	16	.2	4	5	2	4	1	4
7100N 10700E	2	10	7	46	.1	7	4	2	2	2	3
7100N 10750E	3	8	16	46	.1	5	4	2	2	4	1
7000N 10000E	4	17	11	64	.2	7	8	2	2	14	40
7000N 10050E	7	15	2	49	.4	6	3	3	2	13	2
7000N 10100E	2	13	15	38	.1	5	5	2	2	12	3
7000N 10150E	5	22	6	51	.4	6	5	2	2	6	11
7000N 10200E	4	22	12	60	.1	6	10	2	2	4	16
7000N 10250E	7	40	12	53	.2	7	9	2	2	4	5
7000N 10300E	5	21	13	47	.5	8	8	3	3	7	3
7000N 10350E	3	11	11	31	.2	6	4	2	2	6	5
7000N 10400E	3	11	9	35	.1	6	4	2	4	5	2
7000N 10450E	4	6	6	30	.1	6	8	2	2	1	1
7000N 10500E	5	15	2	28	.1	6	4	2	4	1	6
7000N 10550E	6	8	6	20	.1	4	3	2	3	1	5
7000N 10600E	18	20	15	29	.1	6	3	2	6	2	1
7000N 10650E	6	8	15	47	.1	7	8	2	2	1	3
7000N 10700E	11	16	20	30	.1	4	8	2	2	2	1
7000N 10750E	12	12	15	32	.2	7	6	4	5	2	1
6900N 9150E	1	5	20	40	.1	3	2	3	2	1	1
6900N 9200E	1	4	11	35	.1	3	2	2	2	2	1
6900N 9250E	3	5	14	72	.1	8	6	2	2	1	1
6900N 9300E	8	9	7	53	.1	4	7	2	2	1	1
STD C/AU-0.5	22	60	41	140	7.2	31	41	15	21	14	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
6900N 9400E	2	44	6	57	1.3	4	2	2	3	1	3
6900N 9450E	2	16	5	48	.2	3	4	2	2	2	3
6900N 9500E	2	16	8	45	.1	4	2	2	2	1	2
6900N 9550E	1	23	5	54	.2	4	4	2	2	1	1
6900N 9600E	1	27	3	63	.1	5	2	2	2	1	1
6900N 9650E	2	26	8	77	.2	6	6	2	2	2	2
6900N 9700E	2	22	9	74	.2	6	7	2	2	1	1
6900N 9750E	22	79	9	144	.7	10	113	2	2	1	8
6900N 9800E	8	36	31	574	.2	7	68	2	2	1	5
6900N 9850E	4	64	5	186	.1	9	38	2	2	1	5
6900N 9900E	4	46	4	116	.1	8	15	2	2	1	3
6900N 9950E	2	28	4	104	.1	7	5	2	2	1	1
6900N 10000E	1	17	5	67	.2	5	3	2	2	1	1
6900N 10050E	2	14	4	46	.2	6	4	2	2	6	5
6900N 10100E	2	17	5	55	.2	6	3	2	2	4	1
6900N 10150E	3	19	2	48	.1	6	3	2	4	5	1
6900N 10200E	2	19	2	47	.1	5	4	2	4	6	16
6900N 10250E	3	21	4	68	.1	6	3	2	3	2	3
6900N 10300E	4	16	2	48	.2	5	6	2	2	3	1
6900N 10350E	4	16	2	37	.2	5	4	2	5	3	6
6900N 10400E	3	13	6	34	.1	4	3	2	5	2	3
6900N 10450E	4	24	3	31	.1	4	2	2	4	4	2
6900N 10500E	3	16	4	22	.1	3	2	2	4	3	2
6900N 10550E	2	13	12	31	.1	6	2	2	2	3	13
6900N 10600E	3	13	2	51	.1	7	2	2	2	1	1
6900N 10650E	6	24	6	22	.1	7	3	2	2	1	3
6900N 10700E	2	12	5	39	.1	5	3	2	2	1	2
6900N 10750E	9	11	4	28	.1	5	6	2	2	1	7
6800N 10000E	2	35	6	142	.2	9	8	2	2	1	3
6800N 10050E	4	26	7	87	.1	6	5	2	2	4	1
6800N 10100E	2	27	4	123	.2	7	3	2	3	2	1
6800N 10150E	2	22	5	93	.3	6	2	2	2	3	5
6800N 10200E	2	19	3	49	.1	5	2	2	2	5	1
6800N 10250E	3	18	5	64	.3	6	2	2	2	3	1
6800N 10300E	3	18	8	66	.5	6	2	2	2	1	1
6800N 10350E	3	29	10	35	.3	4	8	2	2	4	1
STD C/AU-0.5	20	57	38	129	7.1	29	36	15	20	14	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
6800N 10400E	3	16	3	38	.1	6	6	2	2	4	95
6800N 10450E	2	14	8	44	.1	7	4	2	2	6	8
6800N 10500E	3	25	8	40	.1	7	2	2	2	2	2
6800N 10550E	2	9	4	27	.1	5	4	2	4	2	28
6800N 10600E	3	15	4	34	.1	5	2	2	2	1	2
6800N 10650E	8	8	2	17	.1	3	4	2	2	1	36
6800N 10700E	3	4	4	19	.1	3	2	2	2	1	2
6800N 10750E	3	2	4	16	.1	2	2	2	2	1	2
6700N 10000E	2	39	6	150	.1	8	15	2	2	1	1
6700N 10050E	3	41	8	119	.1	8	14	2	3	3	4
6700N 10100E	2	26	4	119	.1	8	5	2	3	1	2
6700N 10150E	4	54	6	152	.5	9	7	2	3	2	1
6700N 10200E	3	20	9	158	.4	5	2	2	2	2	1
6700N 10250E	1	14	4	75	.1	5	3	2	2	1	1
6700N 10300E	1	14	2	43	.1	5	2	2	2	4	2
6700N 10350E	2	24	7	55	.3	6	4	2	2	4	1
6700N 10400E	3	17	9	36	.2	5	7	2	3	2	4
6700N 10450E	3	12	5	38	.2	5	4	2	2	6	3
6700N 10500E	1	14	6	36	.2	6	2	2	2	2	2
6700N 10550E	4	6	3	25	.2	4	2	2	2	2	2
6700N 10600E	6	4	12	21	.1	3	3	3	2	2	1
6700N 10650E	5	47	8	48	.2	7	5	2	2	3	1
6700N 10700E	4	29	13	64	.1	9	2	2	2	1	2
6700N 10750E	5	35	10	26	.1	5	5	2	2	2	21
6600N 10000E	2	42	9	64	.2	8	14	3	3	1	2
6600N 10050E	2	45	11	101	.1	9	18	2	2	1	1
6600N 10100E	2	24	8	85	.2	7	9	2	3	1	1
6600N 10150E	1	25	4	61	.2	6	3	2	2	1	1
6600N 10200E	2	14	7	68	.2	6	6	2	2	2	11
6600N 10250E	2	11	11	112	.1	6	2	2	3	4	12
6600N 10300E	5	31	4	119	.9	6	6	2	3	2	1
6600N 10350E	3	40	3	63	.3	6	4	3	2	2	1
6600N 10400E	4	37	3	52	.4	5	3	3	2	2	1
6600N 10450E	3	29	3	30	.5	4	3	2	2	1	1
6600N 10500E	3	11	4	55	.3	5	5	2	2	1	8
6600N 10550E	4	59	9	40	.6	6	6	2	2	2	2
STD C/AU-0.5	20	59	38	129	7.1	29	39	15	22	14	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
6600N 10600E	1	5	7	40	.3	3	4	2	2	3	4
6600N 10650E	1	10	8	37	.1	4	5	2	2	4	90
6600N 10700E	1	23	6	38	.2	6	6	2	2	2	1
6600N 10750E	2	11	5	34	.1	5	2	2	2	1	9
6500N 10000E	1	35	13	61	.1	7	9	2	2	3	2
6500N 10050E	1	31	8	137	.3	7	6	2	2	2	1
6500N 10100E	2	33	18	113	.1	7	18	2	2	2	1
6500N 10150E	3	20	2	72	.3	6	16	2	2	2	27
6500N 10200E	1	24	6	74	.2	6	7	2	2	2	2
6500N 10250E	1	19	8	83	.1	6	9	2	2	3	1
6500N 10300E	1	14	12	89	.3	5	4	2	2	4	1
6500N 10350E	1	15	14	65	.3	4	2	2	2	1	1
6500N 10400E	2	4	6	25	.1	2	2	2	2	5	1
6500N 10450E	2	12	8	71	.1	5	7	2	2	1	2
6500N 10500E	1	11	2	68	.1	5	2	2	2	2	1
6500N 10550E	1	9	5	30	.1	2	2	2	2	3	1
6500N 10600E	1	18	8	35	.1	4	2	2	2	4	1
6500N 10650E	1	15	6	24	.1	2	2	2	2	2	1
6500N 10700E	1	9	10	20	.1	1	2	2	2	1	1
6500N 10750E	1	12	9	27	.1	2	3	2	2	3	1
6400N 10000E	1	46	10	70	.9	8	15	2	2	2	1
6400N 10050E	1	22	14	99	.4	7	2	2	2	1	2
6400N 10150E	1	21	4	51	.1	5	13	2	2	1	1
6400N 10200E	1	43	5	68	.3	7	11	2	2	1	3
6400N 10250E	1	30	2	70	.1	6	7	2	2	1	1
6400N 10300E	1	27	16	71	.1	8	2	2	2	1	1
6400N 10350E	1	21	17	65	.1	5	5	2	2	4	2
6400N 10400E	2	12	5	65	.1	7	4	2	2	3	1
6400N 10450E	1	8	10	34	.1	2	6	2	2	4	12
6400N 10500E	1	10	13	85	.1	5	2	2	2	1	1
6400N 10550E	1	8	8	100	.1	5	3	2	3	4	1
6400N 10600E	1	10	2	31	.1	3	6	2	2	5	7
6400N 10650E	1	56	13	27	.4	3	2	2	2	2	1
6400N 10700E	1	12	12	41	.1	2	2	2	3	4	1
6400N 10750E	1	4	2	26	.1	2	2	2	4	1	9
6300N 10000E	1	32	2	64	.1	6	9	2	2	2	2
STD C/AU-0.5	20	58	39	137	7.1	31	41	16	19	15	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	As PPM	Sb PPM	Bi PPM	W PPM	Au# PPB
6300N 10050E	1	26	12	73	.1	6	12	2	2	1	1
6300N 10100E	1	28	2	50	.2	5	9	2	2	3	1
6300N 10150E	1	21	5	65	.2	5	8	2	2	1	1
6300N 10200E	1	42	5	40	.1	6	13	2	2	1	2
6300N 10250E	1	42	5	69	.1	8	14	2	2	1	10
6300N 10300E	2	21	6	74	.1	6	9	2	2	1	1
6300N 10350E	1	46	4	54	.1	7	8	2	2	1	105
6300N 10400E	2	28	6	59	.1	7	6	2	2	2	3
6300N 10450E	1	33	4	107	.1	6	5	2	2	3	1
6300N 10500E	1	11	9	44	.2	4	7	2	2	3	1
6300N 10550E	4	12	2	26	.2	4	4	2	2	2	1
6300N 10600E	1	7	4	29	.1	3	5	2	2	3	2
6300N 10650E	1	12	7	59	.1	4	7	2	2	1	1
6300N 10700E	2	8	5	64	.1	5	4	2	2	1	1
6300N 10750E	1	9	12	69	.2	3	3	2	2	1	1
STD C/AU-0.5	20	57	38	130	7.1	30	40	16	19	14	485





9025.E	29	-2	282.00	14:38:59
9050.E	13	1	295.00	14:38:02
9075.E	9	4	276.00	14:37:15
9100.E	6	7	273.00	14:36:22
9125.E	8	9	279.00	14:35:31
9150.E	4	7	270.00	14:34:37
9175.E	1	8	263.00	14:33:47
9200.E	5	7	257.00	14:32:52
9225.E	6	6	253.00	14:32:02
9250.E	7	8	261.00	14:30:53
9275.E	7	9	264.00	14:30:02
9300.E	2	9	273.00	14:29:13
9325.E	-0	8	273.00	14:28:25
9350.E	-1	7	274.00	14:27:37
9375.E	-13	5	268.00	14:26:42
9400.E	-10	4	245.00	14:25:54
9425.E	-4	5	237.00	14:24:53
9450.E	-0	5	233.00	14:23:55
9475.E	2	3	231.00	14:22:56
9500.E	7	5	224.00	14:21:57
9525.E	15	5	239.00	14:21:00
9550.E	12	3	242.00	14:20:07
9575.E	6	1	247.00	14:19:08
9600.E	4	1	250.00	14:18:03
9625.E	1	1	252.00	14:17:09
9650.E	-0	1	246.00	14:16:11
9675.E	0	2	237.00	14:15:09
9700.E	-2	1	236.00	14:14:02
9725.E	-0	0	228.00	14:13:01
9750.E	3	-0	230.00	14:12:00
9775.E	-0	-3	226.00	14:10:59
9800.E	2	-4	227.00	14:10:02
9825.E	1	-6	218.00	14:08:58
9850.E	8	-6	223.00	14:08:05
9875.E	8	-8	221.00	14:07:07
9900.E	11	-10	224.00	14:06:09
9925.E	15	-11	231.00	14:04:50
9950.E	19	-13	220.00	14:03:46
9975.E	29	-8	236.00	14:02:18
10000.E	25	-11	255.00	14:01:02
10525.E	10	-3	246.00	13:14:48
10550.E	8	-4	255.00	13:13:42
10575.E	10	-3	252.00	13:12:34
10600.E	12	-4	255.00	13:11:16
10625.E	10	-5	248.00	13:09:50
10650.E	14	-5	243.00	13:08:12

SCINTREX V1.6

VLF M-Field R1.4

VLF #1 24.8KHz

Ser No:840320.

Line: 5900.N Grid: 2. Job: 900. Date: 86/08/09 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E	34	-3	263.00	10:21:58			
9025.E	23	-0	289.00	10:23:13			
9050.E	16	2	285.00	10:24:12			
9075.E	11	3	286.00	10:25:06			
9100.E	10	5	285.00	10:26:04			
9125.E	6	5	281.00	10:26:50			
9150.E	5	5	273.00	10:27:45			
9175.E	7	5	267.00	10:28:35			
9200.E	13	6	272.00	10:29:51			
9225.E	11	6	284.00	10:31:02			
9250.E	7	6	280.00	10:32:12			
9275.E	7	7	272.00	10:33:12			
9300.E	3	7	274.00	10:34:41			

9325.E	-0	7	275.00	10:35:28
9350.E	-1	7	273.00	10:36:17
9375.E	-5	5	262.00	10:37:12
9400.E	-3	6	257.00	10:38:04
9425.E	-3	5	240.00	10:39:10
9450.E	2	7	225.00	10:40:58
9475.E	6	5	258.00	10:41:46
9500.E	9	4	264.00	10:42:34
9525.E	9	5	266.00	10:43:21
9550.E	9	4	260.00	10:44:12
9575.E	8	3	269.00	10:45:28
9600.E	6	3	273.00	10:46:21
9625.E	3	3	277.00	10:47:19
9650.E	2	1	274.00	10:48:51
9675.E	-2	0	266.00	10:50:10
9700.E	-1	0	263.00	10:51:21
9725.E	-3	-1	254.00	10:52:27
9750.E	0	-1	234.00	10:53:28
9775.E	-0	-2	249.00	10:55:31
9800.E	-1	-3	250.00	10:56:48
9825.E	-2	-8	246.00	10:57:40
9850.E	-4	-12	235.00	10:58:57
9875.E	-4	-13	228.00	11:00:05
9900.E	5	-9	227.00	11:02:38
9925.E	12	-7	226.00	11:04:58

SCINTREX V1.6 VLF M-Field R1.4

VLF #1 24.8KHZ

Ser No:840320.

Line: 6000.N Grid: 2. Job: 900. Date: 86/08/09 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
8950.E	30	-4	256.00	10:11:17			
8975.E	32	-4	263.00	10:10:13			
9000.E	30	-1	291.00	10:09:13			
9025.E	13	-0	274.00	10:08:06			
9050.E	14	2	265.00	10:07:20			
9075.E	12	3	259.00	10:06:20			
9100.E	14	3	262.00	10:05:19			
9125.E	10	3	264.00	10:04:16			
9150.E	6	2	259.00	10:03:11			
9175.E	13	3	250.00	10:02:16			
9200.E	16	3	261.00	10:01:22			
10475.E	7	-4	241.00	12:55:03			
10500.E	7	-3	247.00	12:53:49			
10525.E	5	-7	243.00	12:52:55			
10550.E	6	-8	240.00	12:51:52			
10575.E	9	-6	235.00	12:50:05			
10600.E	12	-3	244.00	12:48:57			
10625.E	4	-7	266.00	12:47:13			
10650.E	1	-10	247.00	12:46:05			
10675.E	6	-6	253.00	12:45:01			
10700.E	-2	-10	260.00	12:43:31			
10725.E	-3	-12	242.00	12:42:04			
10750.E	-2	-11	239.00	12:40:46			
10775.E	0	-11	235.00	12:39:12			
10800.E	6	-7	231.00	12:37:30			
10825.E	9	-5	243.00	12:36:24			
10850.E	10	-3	270.00	12:34:38			



10475.E	9	3	9.40	11:41:02
10500.E	8	2	9.52	11:42:21
10525.E	8	0	9.36	11:43:53
10550.E	6	-1	9.77	11:45:13
10575.E	14	-3	10.50	11:46:15
10600.E	18	-4	10.90	11:47:28
10625.E	13	-8	10.50	11:49:47
10650.E	13	-7	10.10	11:50:58
10675.E	17	-5	10.30	11:52:04
10700.E	24	-12	10.50	11:53:11
10725.E	27	-14	10.80	11:54:19
10750.E	25	-10	11.60	11:55:36
10775.E	20	-10	11.60	11:56:57
10800.E	17	-10	11.50	11:58:09
10825.E	17	-5	11.50	11:59:30
10850.E	18	-5	12.10	12:00:39
10875.E	14	-7	12.00	12:01:42
10900.E	16	-3	12.00	12:03:05
10925.E	13	-3	12.60	12:04:13
10950.E	5	-3	11.90	12:05:30
10975.E	5	-2	12.20	12:06:46
11000.E	2	-4	11.70	12:08:35

SCINTREX V1.6 VLF M-Field R1.4

VLF #2 23.4KHz

Ser No:840320.

Line: 6000.N Grid: 2. Job: 900. Date: 86/08/09 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9225.E	16		5		6.92	09:52:22	
9250.E	14		4		7.17	09:51:12	
9275.E	10		4		7.19	09:50:18	
9300.E	7		4		6.96	09:49:05	
9325.E	7		4		6.99	09:48:14	
9350.E	12		5		6.89	09:46:43	
9375.E	16		7		7.12	09:45:43	
9400.E	20		5		7.35	09:44:32	
9425.E	22		4		7.47	09:43:34	
9450.E	26		4		7.28	09:42:43	
9475.E	25		4		7.22	09:41:58	
9500.E	31		5		7.18	09:40:14	
9525.E	26		5		7.73	09:38:17	
9550.E	20		3		7.61	09:36:56	
9575.E	18		3		7.59	09:36:00	
9600.E	17		3		7.51	09:35:04	
9625.E	13		4		7.45	09:33:42	
9650.E	14		5		7.40	09:32:43	
9675.E	0		1		6.96	09:31:49	
9700.E	-2		-0		6.72	09:30:58	
9725.E	-3		0		6.51	09:30:02	
9750.E	-8		0		6.20	09:29:08	
9775.E	3		1		6.50	09:28:03	
9800.E	11		2		6.71	09:26:52	
9825.E	14		-0		6.46	09:25:31	
9850.E	18		-0		6.36	09:24:39	

9875.E	19	0	6.27	09:23:52
9900.E	23	0	6.40	09:22:59
9925.E	22	-0	6.57	09:21:02
9950.E	22	-1	6.59	09:20:01
9975.E	23	-1	6.59	09:19:07
10000.E	23	-1	6.74	09:17:43
10025.E	22	-2	6.89	09:16:54
10050.E	17	-6	7.00	09:16:00
10075.E	20	-5	6.71	09:15:14
10100.E	21	-2	6.58	09:14:17
10125.E	21	3	6.96	09:13:15
10150.E	3	0	6.76	09:12:17
10175.E	5	4	6.54	09:11:23
10200.E	4	5	6.30	09:10:18
10225.E	-1	4	6.47	09:09:23
10250.E	0	4	6.22	09:08:26
10275.E	-2	6	6.20	09:07:40
10300.E	-0	6	6.16	09:06:52
10325.E	1	4	6.27	09:06:06
10350.E	-0	3	6.19	09:05:09
10375.E	-2	-0	6.21	09:04:03
10400.E	-2	0	6.21	09:03:07
10425.E	10	-2	6.53	09:01:46
10450.E	12	-4	6.12	09:00:41
10875.E	13	-9	11.40	12:17:58
10900.E	14	-6	10.30	12:15:46

07/20  
12/07/21

SCINTREX V1.6 VLF M-Field R1.4

VLF #2 23.4KHz

Ser No:840320.

Line: 6100.N Grid: 1. Job: 900. Date: 86/08/06 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E		22		2		9.08	11:05:55
9025.E		15		3		9.35	11:07:37
9050.E		12		3		9.42	11:08:52
9075.E		12		5		9.10	11:10:10
9100.E		9		4		8.81	11:11:29
9125.E		20		5		9.00	11:12:53
9150.E		21		5		9.22	11:14:21
9175.E		23		5		9.51	11:16:09
9200.E		16		4		9.74	11:17:15
9225.E		13		3		9.49	11:18:12
9250.E		14		4		9.35	11:19:10
9275.E		14		3		9.07	11:20:09
9300.E		6		2		8.72	11:21:28
9325.E		9		1		8.25	11:22:57
9350.E		11		1		8.22	11:24:07
9375.E		15		0		8.03	11:29:48
9400.E		18		-0		7.97	11:32:10
9425.E		21		3		8.04	11:33:28
9450.E		23		2		8.12	11:34:53
9475.E		27		5		8.26	11:36:17
9500.E		28		5		8.39	11:37:29
9525.E		24		4		8.66	11:38:54
9550.E		24		5		9.03	11:40:26
9575.E		19		5		9.44	11:42:36
9600.E		28		4		9.63	11:44:07
9625.E		23		3		10.50	11:46:11
9650.E		19		1		10.70	11:47:37
9675.E		16		-0		10.70	11:49:07
9700.E		22		-4		10.50	11:50:38
9725.E		9		-4		10.60	11:52:57
9750.E		11		-3		10.60	11:56:16
9775.E		9		-3		10.50	11:58:06
9800.E		9		-4		10.20	11:59:16
9825.E		13		-5		10.10	12:00:56
9850.E		14		-5		9.77	12:02:08
9875.E		10		-6		10.00	12:03:31
9900.E		12		-8		9.39	12:04:52
9925.E		13		-6		9.43	12:07:12
9950.E		19		-5		9.17	12:08:57
9975.E		25		-4		9.03	12:10:10
10000.E		23		-2		9.49	12:11:33
10025.E		15		-7		9.71	12:13:17
10050.E		14		-4		9.51	12:14:32
10075.E		17		-2		9.78	12:16:21
10100.E		16		1		10.50	12:17:18
10125.E		11		3		11.70	12:19:08
10150.E		1		-0		11.40	12:20:15
10175.E		-7		0		10.40	12:21:54

10200.E	-1	1	11.00	12:23:32
10225.E	2	2	10.70	12:24:47
10250.E	1	0	11.00	12:26:20
10275.E	-5	-0	11.10	12:27:52
10300.E	-1	-2	11.60	12:29:21
10325.E	9	-4	12.20	12:30:41
10350.E	16	-9	11.80	12:32:27
10375.E	13	-10	11.80	12:34:23
10400.E	15	-9	12.30	13:11:42
10425.E	18	-9	11.80	13:13:26
10450.E	18	-7	11.90	13:16:16
10475.E	14	-7	12.00	13:19:12
10500.E	19	-10	11.60	13:20:27
10525.E	18	-9	11.90	13:22:08
10550.E	24	-9	11.90	13:23:22
10575.E	26	-6	11.50	13:24:55
10600.E	27	-4	11.50	13:26:38
10625.E	26	-1	11.80	13:28:18
10650.E	19	-12	12.20	13:29:28
10675.E	19	-10	12.00	13:30:39
10700.E	24	-10	11.90	13:32:07
10725.E	22	-9	12.00	13:33:47
10750.E	24	-10	11.60	13:35:38
10775.E	21	-8	12.30	13:37:35
10800.E	17	-9	11.80	13:38:56
10825.E	24	-6	11.70	13:41:02
10850.E	20	-4	11.80	13:42:08
10875.E	27	-2	12.10	13:43:36
10900.E	28	-1	12.40	13:45:25
10925.E	24	-2	13.50	13:47:30
10950.E	16	-4	13.00	13:48:53
10975.E	9	-6	12.80	13:50:16
11000.E	14	-3	12.30	13:51:45

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SCINTREX V1.6                      VLF M-Field R1.4

VLF #2 23.4KHZ

Ser No:840320.

Line: 6200.N Grid:            1.    Job:    900.    Date: 86/08/06    Operator:    1.

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Station	Vert	IP	Vert	Q	Hor. Fld	Information
9000.E	20		1		8.49	10:59:18
9025.E	18		4		8.58	10:58:13
9050.E	19		6		8.44	10:57:08
9075.E	21		7		8.36	10:55:52
9100.E	18		7		8.66	10:54:37
9125.E	19		6		8.67	10:53:17
9150.E	11		6		8.66	10:51:48
9175.E	13		5		8.71	10:50:41
9200.E	7		6		8.27	10:48:42
9225.E	7		7		8.11	10:46:42
9250.E	12		7		8.08	10:45:32
9275.E	6		7		8.17	10:43:39
9300.E	-1		4		8.03	10:42:28
9325.E	-1		4		7.94	10:41:32
9350.E	-3		3		7.86	10:40:07

9375.E	-13	-2	7.33	10:38:32
9400.E	-13	-1	6.91	10:36:58
9425.E	-7	-1	7.16	10:35:29
9450.E	-11	-5	7.08	10:32:31
9475.E	-5	-1	7.28	10:30:52
9500.E	10	3	6.93	10:28:36
9525.E	13	5	6.81	10:27:19
9550.E	15	5	6.69	10:25:44
9575.E	19	6	6.91	10:24:15
9600.E	16	-1	6.96	10:22:54
9625.E	15	-0	6.94	10:21:22
9650.E	14	-1	6.73	10:17:39
9675.E	8	-2	6.69	10:16:25
9700.E	8	-1	6.62	10:14:19
9725.E	9	-2	6.70	10:12:20
9750.E	8	-4	6.69	10:09:37
9775.E	7	-1	6.70	10:08:06
9800.E	7	-4	6.65	10:05:52
9825.E	7	-3	6.61	10:04:37
9850.E	8	-6	6.50	10:03:11
9875.E	2	-7	6.36	10:00:20
9900.E	1	-10	6.21	09:58:45
9925.E	2	-10	6.15	09:57:03
9950.E	6	-8	6.09	09:55:24
9975.E	10	-5	5.98	09:53:36
10000.E	10	-4	6.21	09:52:03
10025.E	8	-1	6.55	09:50:23
10050.E	7	-5	6.50	09:48:41
10075.E	6	-2	6.36	09:45:48
10100.E	7	0	6.38	09:43:53
10125.E	-2	-5	6.62	09:42:33
10150.E	1	-2	6.25	09:40:46
10175.E	1	-0	6.18	09:39:22
10200.E	0	0	6.15	09:37:43
10225.E	10	-1	6.15	09:35:56
10250.E	15	-1	6.23	09:34:03
10275.E	24	-0	6.24	09:31:49
10300.E	24	-1	6.37	09:30:22
10325.E	25	-2	6.44	09:28:35
10350.E	24	-2	6.32	09:25:39
10375.E	29	-2	12.40	14:55:20
10400.E	27	-2	12.80	14:53:19
10425.E	28	-4	13.10	14:50:59
10450.E	23	-5	13.40	14:48:56
10475.E	20	-8	13.20	14:47:38
10500.E	16	-9	12.70	14:45:31
10525.E	16	-9	12.20	14:44:02
10550.E	21	-7	12.10	14:41:56
10575.E	23	-4	11.80	14:40:23
10600.E	21	-4	12.10	14:38:17
10625.E	19	-7	12.00	14:36:26
10650.E	17	-6	11.50	14:34:48
10675.E	19	-6	11.50	14:33:23
10700.E	23	-3	11.60	14:31:40
10725.E	20	-7	12.10	14:28:55



10750.E	16	-5	11.70	14:27:31
10775.E	15	-3	12.10	14:26:03
10800.E	13	-6	11.90	14:23:38
10825.E	16	-4	11.60	14:22:00
10850.E	16	-2	11.30	14:20:22
10875.E	18	-1	11.70	14:18:41
10900.E	16	-0	11.80	14:16:51
10925.E	17	-0	12.00	14:14:24
10950.E	17	-0	12.00	14:12:49
10975.E	12	-1	12.40	14:11:07
11000.E	12	-0	12.30	14:09:33

SCINTREX V1.6 VLF M-Field R1.4

VLF #2 23.4KHz

Ser No:840320.

Line: 6300.N Grid: 1. Job: 900. Date: 86/08/05 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E		13		1		7.79	10:24:25
9025.E		14		4		8.09	10:26:19
9050.E		13		5		8.27	10:27:09
9075.E		10		5		8.16	10:28:20
9100.E		9		5		8.11	10:29:14
9125.E		10		7		7.83	10:30:08
9150.E		12		8		7.88	10:31:01
9175.E		8		8		8.18	10:31:53
9200.E		8		9		8.38	10:32:51
9225.E		2		8		8.31	10:33:42
9250.E		5		9		8.13	10:34:52
9275.E		4		8		8.44	10:35:45
9300.E		4		7		8.85	10:36:44
9325.E		8		9		8.90	10:37:38
9350.E		10		7		9.13	10:38:31
9375.E		8		6		8.75	10:39:24
9400.E		9		7		8.98	10:40:37
9425.E		13		6		8.97	10:41:26
9450.E		11		6		8.57	10:42:46
9475.E		11		6		8.77	10:43:59
9500.E		10		4		8.65	10:45:49
9525.E		8		3		8.54	10:46:59
9550.E		6		2		8.47	10:48:16
9575.E		5		2		8.51	10:49:21
9600.E		6		3		8.44	10:50:43
9625.E		7		4		8.56	10:51:56
9650.E		7		3		8.87	10:53:06
9675.E		5		3		8.97	10:54:24
9700.E		4		2		9.02	10:55:20
9725.E		3		1		8.70	10:56:32
9750.E		3		0		8.92	10:57:38
9775.E		3		0		9.21	10:58:31
9800.E		3		0		9.06	11:00:06
9825.E		4		-0		9.13	11:01:06
9850.E		6		-1		9.09	11:02:17
9875.E		6		-4		8.70	11:03:20
9900.E		9		-3		8.94	11:04:19
9925.E		9		-4		8.92	11:05:19
9950.E		10		-4		9.32	11:06:19
9975.E		13		-4		9.29	11:07:28
10000.E		15		-1		9.41	11:09:33
10025.E		10		-1		9.57	11:10:28
10050.E		5		-3		9.70	11:11:40
10075.E		5		-0		9.34	11:13:21
10100.E		7		3		9.55	11:14:18
10125.E		6		4		10.30	11:15:32
10150.E		-0		-2		9.53	11:16:29
10175.E		9		-1		9.36	11:17:58

10200.E	11	-0	9.20	11:19:06
10225.E	14	0	9.16	11:20:07
10250.E	14	2	8.63	11:21:15
10275.E	19	3	8.60	11:22:19
10300.E	17	2	8.72	11:23:40
10325.E	19	1	8.73	11:24:49
10350.E	19	1	8.75	11:26:39
10375.E	23	4	9.18	11:39:05
10400.E	24	0	9.14	11:40:14
10425.E	25	-1	9.18	11:41:38
10450.E	25	0	9.37	11:42:44
10475.E	26	1	9.61	11:43:40
10500.E	26	3	9.85	11:44:51
10525.E	21	-1	11.00	11:46:45
10550.E	13	-3	10.60	11:48:16
10575.E	15	-1	10.60	11:49:34
10600.E	17	-2	10.40	11:50:29
10625.E	15	-1	11.00	11:51:56
10650.E	14	-1	10.70	11:53:17
10675.E	11	-1	10.30	11:54:33
10700.E	10	-1	9.83	11:55:50
10725.E	16	0	9.45	11:58:01
10750.E	11	-2	10.60	11:59:27

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SCINTREX V1.6                    VLF M-Field R1.4

VLF #2 23.4KHz

Ser No:840320.

Line: 6400.N Grid:            1. Job:            900. Date: 86/08/05 Operator:            1.

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Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E	16		2		7.45	10:09:31	
9025.E	14		3		7.66	10:08:26	
9050.E	10		3		7.56	10:07:36	
9075.E	12		3		7.62	10:06:32	
9100.E	9		4		7.74	10:05:26	
9125.E	5		4		7.82	10:04:16	
9150.E	2		6		7.88	10:02:48	
9175.E	2		7		7.62	10:01:45	
9200.E	6		8		7.53	10:00:41	
9225.E	7		7		7.51	09:59:48	
9250.E	7		7		7.29	09:58:38	
9275.E	8		5		7.41	09:57:33	
9300.E	8		5		7.05	09:56:35	
9325.E	7		5		7.14	09:55:31	
9350.E	10		5		7.08	09:54:26	
9375.E	8		5		6.90	09:53:29	
9400.E	8		4		7.13	09:52:33	
9425.E	6		4		6.97	09:51:34	
9450.E	5		3		6.79	09:50:29	
9475.E	5		3		6.65	09:49:01	
9500.E	5		2		6.56	09:47:47	
9525.E	9		6		6.64	09:46:40	
9550.E	7		4		6.63	09:45:25	
9575.E	12		6		6.70	09:44:33	
9600.E	13		8		6.81	09:43:24	

9625.E	16	9	7.10	09:42:08
9650.E	18	10	7.12	09:40:58
9675.E	18	10	7.28	09:39:39
9700.E	19	9	7.42	09:38:39
9725.E	20	7	7.24	09:37:35
9750.E	19	8	7.34	09:36:21
9775.E	17	5	7.49	09:35:09
9800.E	17	2	7.38	09:34:08
9825.E	16	3	7.44	09:33:19
9850.E	8	0	6.88	09:32:11
9875.E	11	-1	7.11	09:30:53
9900.E	13	-0	6.92	09:29:33
9925.E	14	-0	6.90	09:28:18
9950.E	17	1	7.05	09:27:00
9975.E	18	0	7.29	09:24:45
10000.E	12	-5	7.56	09:19:13
10025.E	17	-4	7.89	09:17:51
10050.E	18	-4	8.44	09:15:59
10075.E	12	-5	7.68	09:14:15
10100.E	13	-0	7.38	09:12:48
10125.E	8	-0	7.03	09:11:13
10150.E	3	-1	7.02	09:10:09
10175.E	2	-2	6.86	09:09:07
10200.E	5	-0	6.86	09:07:21
10225.E	6	0	6.66	09:05:31

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SCINTREX VI.6                      VLF M-Field R1.4

VLF #2 23.4KHZ

Ser No:840320.

Line: 7200.N Grid:            1. Job:            900. Date: 86/08/05 Operator:            1.

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Station	Vert	IP	Vert	Q	Hor	Fld	Information
9350.E	17		-4		12.10		14:00:02
9375.E	18		-2		12.50		13:58:58
9400.E	20		0		12.30		13:57:49
9425.E	20		1		12.30		13:56:25
9450.E	17		0		12.40		13:55:08
9475.E	17		0		12.60		13:54:10
9500.E	16		0		12.80		13:53:06
9525.E	11		-0		12.90		13:51:54
9550.E	7		-1		12.70		13:51:00
9575.E	5		-0		12.00		13:49:56
9600.E	7		0		11.70		13:48:42
9625.E	5		1		11.70		13:47:44
9650.E	5		2		11.80		13:46:01
9675.E	1		1		11.80		13:44:53
9700.E	1		1		11.50		13:42:49
9725.E	-1		-0		11.30		13:41:48
9750.E	-2		-1		10.70		13:40:37
9775.E	2		-0		11.10		13:39:33
9800.E	2		-0		11.20		13:38:08
9825.E	0		-1		10.80		13:36:17
9850.E	0		-1		10.60		13:35:13
9875.E	4		-1		10.90		13:33:34
9900.E	6		-2		11.20		13:31:30



10150.E	-3	6	12.40	15:05:19
10175.E	-6	7	11.30	15:06:13
10200.E	-2	6	12.20	15:07:14
10225.E	-4	6	12.90	15:08:18
10250.E	-6	4	12.80	15:09:34
10275.E	-7	1	12.40	15:10:43
10300.E	-7	3	11.50	15:11:45
10325.E	-5	2	12.20	15:12:40
10350.E	-6	1	12.10	15:13:52
10375.E	-5	0	11.70	15:14:59
10400.E	-6	-0	11.40	15:16:05



9250.E	12	6	11.00	12:41:41
9275.E	11	7	11.80	12:42:31
9300.E	13	7	11.70	12:43:34
9325.E	12	8	11.40	12:44:22
9350.E	10	7	11.40	12:45:12
9375.E	13	9	11.00	12:46:25
9400.E	11	8	11.10	12:47:20
9425.E	11	8	10.90	12:48:28
9450.E	12	9	10.70	12:49:35
9475.E	13	9	10.70	12:50:31
9500.E	13	9	10.70	12:51:31
9525.E	7	4	10.60	13:13:17
9550.E	8	5	9.92	13:14:22
9575.E	6	3	10.20	13:15:38
9600.E	6	3	10.20	13:16:50
9625.E	5	3	9.94	13:18:14
9650.E	7	3	10.50	13:19:39
9675.E	3	0	10.10	13:20:48
9700.E	6	0	10.20	13:22:00
9725.E	7	-0	10.70	13:22:52
9750.E	6	0	11.20	13:23:52
9775.E	12	0	11.60	13:24:47
9800.E	14	-0	12.40	13:25:46
9825.E	11	-1	12.40	13:26:44
9850.E	13	-3	11.90	13:28:01
9875.E	17	-4	11.10	13:29:05
9900.E	21	-3	10.80	13:30:54
9925.E	21	-6	11.30	13:32:05
9950.E	17	-11	10.90	13:33:14
9975.E	23	-9	10.90	13:34:23
10000.E	24	-6	11.00	13:35:59
10025.E	25	-5	11.50	13:51:30
10050.E	24	-3	12.40	13:52:40
10075.E	5	-11	12.60	13:53:43
10100.E	4	-10	12.00	13:55:12
10125.E	2	-8	11.70	13:56:29
10150.E	0	-7	11.70	13:57:45
10175.E	-0	-5	11.30	13:59:19
10200.E	1	-3	10.80	14:01:21
10225.E	2	-2	11.20	14:02:31
10250.E	5	-1	11.10	14:03:27
10275.E	6	0	11.30	14:04:41
10300.E	7	-0	11.50	14:06:06
10325.E	8	0	11.30	14:07:05
10350.E	2	-1	11.60	14:08:16
10375.E	3	-4	11.20	14:09:11
10400.E	3	-5	10.90	14:10:13
10425.E	2	-5	10.70	14:11:20
10450.E	6	-2	11.10	14:12:22
10475.E	3	-4	10.90	14:13:15
10500.E	7	-4	10.70	14:14:35
10525.E	8	-2	11.00	14:15:36
10550.E	10	-1	11.20	14:17:00
10575.E	13	-0	11.30	14:17:55
10600.E	14	1	11.30	14:19:07



10625.E	15	2	11.80	14:20:05
10650.E	13	2	11.90	14:21:05
10675.E	11	2	11.70	14:22:20
10700.E	12	0	12.30	14:23:23
10725.E	9	0	12.20	14:24:22
10750.E	9	-0	12.30	14:25:25
10775.E	11	0	12.10	14:26:36
10800.E	8	1	11.80	14:27:45
10825.E	7	1	11.30	14:28:54
10850.E	9	2	11.90	14:29:56
10875.E	8	2	11.80	14:30:59
10900.E	8	3	10.90	14:32:15
10925.E	7	1	11.70	14:33:22
10950.E	11	2	11.60	14:34:20
10975.E	13	3	11.60	14:35:36
11000.E	16	7	11.60	14:36:53

SCINTREX VI.6 VLF M-Field R1.4

VLF #2 23.4KHz

Ser No:840320.

Line: 6600.N Grid: 1. Job: 900. Date: 86/08/04 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E	18	-0			10.40	12:24:31	
9025.E	22	-0			10.60	12:22:54	
9050.E	24	-0			10.60	12:21:57	
9075.E	21	-0			10.80	12:20:58	
9100.E	13	1			10.90	12:19:38	
9125.E	10	3			10.40	12:18:49	
9150.E	12	4			10.20	12:18:00	
9175.E	13	5			10.40	12:17:10	
9200.E	13	7			10.60	12:16:19	
9225.E	14	7			10.40	12:15:28	
9250.E	15	7			10.60	12:14:34	
9275.E	19	9			10.80	12:13:45	
9300.E	19	10			11.00	12:12:49	
9325.E	17	10			11.30	12:12:03	
9350.E	12	10			11.10	12:11:08	
9375.E	11	10			10.80	12:10:16	
9400.E	9	10			10.70	12:09:09	
9425.E	9	11			10.60	12:08:06	
9450.E	9	12			10.60	12:07:07	
9475.E	5	10			10.50	12:06:01	
9500.E	0	6			9.65	12:04:50	
9525.E	-0	6			9.40	12:03:27	
9550.E	-2	4			8.97	12:02:15	
9575.E	4	5			8.90	12:01:28	
9600.E	11	9			8.53	12:00:26	
9625.E	12	8			8.59	11:59:33	
9650.E	14	10			8.51	11:58:42	
9675.E	12	8			8.48	11:57:53	
9700.E	13	8			8.46	11:57:03	
9725.E	18	6			8.14	11:55:38	
9750.E	13	6			8.11	11:36:42	
9775.E	12	5			8.10	11:35:11	

9800.E	11	1	7.87	11:33:59
9825.E	13	1	7.60	11:32:54
9850.E	13	-5	7.90	11:31:03
9875.E	14	-6	7.96	11:29:31
9900.E	16	-5	7.99	11:28:06
9925.E	16	-6	7.85	11:26:33
9950.E	17	-5	7.93	11:24:43
9975.E	22	-7	7.77	11:23:27
10000.E	23	-6	8.17	11:21:07
10025.E	24	-4	7.98	11:18:57
10050.E	25	-1	8.59	11:16:40
10075.E	18	-7	9.00	11:15:10
10100.E	8	-8	8.12	11:13:34
10125.E	12	-9	8.55	11:12:02
10150.E	8	-11	8.27	10:56:37
10175.E	12	-9	8.16	10:54:40
10200.E	15	-9	7.92	10:52:46
10225.E	16	-8	7.85	10:51:36
10250.E	14	-7	7.78	10:49:56
10275.E	21	-7	7.61	10:47:46
10300.E	22	-8	7.97	10:46:06
10325.E	23	-11	8.00	10:43:46
10350.E	25	-10	7.87	10:41:06
10375.E	27	-9	7.88	10:38:52
10400.E	28	-7	7.98	10:37:19
10425.E	28	-5	8.16	10:35:04
10450.E	22	-5	8.18	10:33:08
10475.E	21	-7	7.88	10:31:11
10500.E	15	-8	7.99	10:28:50
10525.E	16	-9	7.69	10:26:56
10550.E	17	-4	7.03	10:22:31
10575.E	21	-4	7.11	10:19:54
10600.E	21	-5	7.19	10:18:35
10625.E	20	-5	7.31	10:17:06
10650.E	20	-6	7.00	10:15:40
10675.E	22	-4	7.31	10:13:57
10700.E	20	-4	6.91	10:12:53
10725.E	21	-5	6.98	10:11:19
10750.E	17	-6	7.08	10:10:07
10775.E	13	-7	6.74	10:09:01
10800.E	16	-6	6.82	10:07:42
10825.E	18	-4	7.04	10:06:39
10850.E	22	-4	7.09	10:05:26
10875.E	21	-2	7.13	10:03:56
10900.E	20	-2	7.11	10:02:18
10925.E	22	-2	6.81	10:01:07
10950.E	22	1	6.73	09:59:51
10975.E	18	2	6.83	09:58:55
11000.E	14	2	6.93	09:57:57

SCINTREX V1.6

VLF M-Field R1.4

VLF #2 23.4KHz

Ser No:840320.

Line: 6700.N Grid: 1. Job: 900. Date: 86/08/04 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
10175.E	17		-5		6.25		09:01:59
10200.E	18		-7		6.44		09:04:10
10225.E	19		-8		6.10		09:06:46
10250.E	21		-7		6.23		09:08:11
10275.E	22		-8		6.54		09:09:39
10300.E	22		-11		6.27		09:10:40
10325.E	20		-12		6.21		09:11:44
10350.E	21		-12		6.28		09:12:44
10375.E	23		-12		6.16		09:14:13
10400.E	27		-8		6.21		09:15:50
10425.E	27		-6		6.16		09:17:32
10450.E	25		-7		6.40		09:18:36
10475.E	24		-8		6.52		09:19:47
10500.E	21		-9		6.18		09:21:42
10525.E	20		-8		6.31		09:23:41
10550.E	22		-9		6.22		09:24:55
10575.E	25		-8		6.02		09:26:26
10600.E	30		-4		5.52		09:27:40
10625.E	31		-3		5.62		09:28:39
10650.E	34		-1		6.02		09:29:47
10675.E	33		-2		6.17		09:31:18
10700.E	29		-4		6.30		09:33:08
10725.E	28		-5		6.12		09:34:53
10750.E	26		-5		6.48		09:35:57
10775.E	26		-5		6.51		09:37:14
10800.E	24		-7		6.53		09:38:23
10825.E	26		-5		6.60		09:39:21
10850.E	27		-4		6.63		09:40:47
10875.E	30		-3		6.63		09:41:41
10900.E	23		-3		6.83		09:43:02
10925.E	17		-5		6.64		09:44:08
10950.E	20		-1		6.70		09:45:13
10975.E	20		1		6.50		09:46:17
11000.E	16		1		7.02		09:48:38



9175.E	20	4	10.30	11:37:14
9200.E	21	3	10.60	11:36:11
9225.E	23	4	10.50	11:35:07
9250.E	23	5	10.40	11:33:58
9275.E	20	5	10.60	11:32:31
9300.E	17	5	10.60	11:31:30
9325.E	20	6	10.60	11:30:22
9350.E	13	3	10.50	11:29:00
9375.E	10	3	10.30	11:27:51
9400.E	7	2	9.58	11:26:12
9425.E	7	1	9.63	11:24:46
9450.E	7	2	9.27	11:23:37
9475.E	8	2	9.19	11:22:17
9500.E	12	4	8.95	11:21:06
9525.E	10	3	9.05	11:19:44
9550.E	10	3	9.08	11:17:19
9575.E	10	2	8.78	11:15:55
9600.E	13	2	8.31	11:14:18
9625.E	12	1	8.41	11:13:01
9650.E	14	3	8.46	11:11:33
9675.E	16	5	8.26	11:10:14
9700.E	20	7	8.53	11:08:47
9725.E	24	9	8.73	11:07:20
9750.E	20	5	8.93	11:06:07
9775.E	19	4	8.89	11:04:49
9800.E	17	3	8.97	11:02:52
9825.E	13	-0	8.99	11:01:24
9850.E	16	-1	8.75	10:58:50
9875.E	16	-2	8.61	10:57:03
9900.E	18	-1	8.39	10:54:40
9925.E	20	-0	8.33	10:52:52
9950.E	26	2	8.33	10:50:31
9975.E	29	6	8.54	10:47:41
10000.E	31	7	8.68	10:45:16
10025.E	8	0	9.06	10:43:05
10050.E	9	3	8.36	10:41:39
10075.E	9	6	8.34	10:40:18
10100.E	9	7	8.49	10:38:46
10125.E	-0	4	8.16	10:36:20
10150.E	-5	3	7.72	10:34:15
10175.E	-6	2	11.10	15:18:43
10200.E	-4	3	10.30	15:17:14
10225.E	-3	4	10.20	15:16:08
10250.E	-3	5	9.73	15:14:55
10275.E	-2	5	10.30	15:12:55
10300.E	0	6	10.10	15:11:40
10325.E	-0	4	10.30	15:10:18
10350.E	-3	-1	10.00	15:08:48
10375.E	-1	-1	10.30	15:07:43
10400.E	-0	-0	10.40	15:06:04
10425.E	3	-0	10.10	15:04:39
10450.E	2	-1	10.40	15:02:47
10475.E	3	-0	10.30	15:01:19
10500.E	4	-0	10.40	14:58:17
10525.E	0	-1	11.10	14:56:22



9725.E	7	0	10.70	12:28:23
9750.E	4	-0	10.60	12:30:13
9775.E	7	-0	10.70	12:31:39
9800.E	5	-0	10.60	12:32:53
9825.E	7	-1	10.60	12:33:51
9850.E	5	-2	10.60	12:35:08
9875.E	7	-3	10.60	12:36:31
9900.E	10	-2	10.60	12:37:48
9925.E	10	-0	10.60	12:39:32
9950.E	14	-0	10.60	12:40:43
9975.E	16	3	10.90	12:42:02
10000.E	18	6	11.40	12:43:57
10025.E	7	4	12.30	12:46:01
10050.E	-0	4	11.50	12:47:22
10075.E	-0	9	11.10	12:48:50
10100.E	3	12	11.70	12:50:21
10125.E	-2	10	12.20	12:51:56
10150.E	-9	6	11.70	12:53:51
10175.E	-9	6	11.60	12:55:11
10200.E	-10	5	11.20	12:56:12
10225.E	-10	2	11.00	12:58:08
10250.E	-9	3	10.60	12:59:49
10275.E	-11	2	10.50	13:01:18
10300.E	-10	4	10.10	13:02:52
10325.E	-12	3	9.38	13:04:59
10350.E	-7	1	9.64	13:06:55
10375.E	-7	1	10.20	13:41:04
10400.E	-5	1	10.60	13:43:05
10425.E	-9	-0	9.81	13:44:51
10450.E	-3	1	10.40	13:46:17
10475.E	0	0	10.80	13:47:43
10500.E	1	2	10.90	13:49:33
10525.E	4	0	11.40	13:50:57
10550.E	4	-0	11.70	13:53:12
10575.E	-1	-3	11.10	13:54:49
10600.E	-1	-2	11.20	13:56:14
10625.E	-0	-4	10.60	13:57:34
10650.E	3	-4	11.10	13:58:45
10675.E	5	-3	10.60	14:00:05
10700.E	5	-1	10.80	14:01:12
10725.E	7	-2	11.00	14:02:28
10750.E	6	-2	11.10	14:03:35
10775.E	7	-2	10.80	14:04:53
10800.E	9	-1	10.80	14:06:06
10825.E	14	1	10.80	14:07:42
10850.E	16	1	11.20	14:08:39
10875.E	15	4	11.80	14:09:51
10900.E	-1	-2	11.80	14:11:04
10925.E	-2	-0	11.30	14:12:18
10950.E	-2	-4	11.70	14:13:15
10975.E	0	-6	11.40	14:14:27
11000.E	-1	-5	11.30	14:15:51

SCINTREX VI.6

VLF M-Field R1.4

VLF #1 24.8KHz

Ser No:840320.

Line: 6800.N Grid:

1.

Job:

900.

Date: 86/08/02

Operator:

1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E		11		2	247.00	13:02:51	
9025.E		7		2	253.00	13:04:02	
9050.E		7		5	240.00	13:05:21	
9075.E		5		6	243.00	13:06:27	
9100.E		2		3	239.00	13:08:09	
9125.E		5		3	243.00	13:09:55	
9150.E		3		2	240.00	13:10:45	
9175.E		9		1	226.00	13:11:35	
9200.E		14		1	234.00	13:12:36	
9225.E		15		-0	246.00	13:13:36	
9250.E		16		-2	246.00	13:14:37	
9275.E		23		-1	233.00	13:15:38	
9300.E		26		2	241.00	13:16:47	
9325.E		27		5	249.00	13:38:16	
9350.E		19		2	259.00	13:39:30	
9375.E		21		6	252.00	13:40:43	
9400.E		23		9	258.00	13:41:56	
9425.E		17		7	258.00	13:43:04	
9450.E		17		6	250.00	13:44:13	
9475.E		20		7	247.00	13:45:29	
9500.E		19		7	247.00	13:46:32	
9525.E		24		10	262.00	13:47:36	
9550.E		22		11	284.00	13:48:41	
9575.E		14		7	314.00	13:49:54	
9600.E		-5		-1	282.00	13:51:01	
9625.E		-6		-1	256.00	13:52:09	
9650.E		0		5	253.00	13:53:18	
9675.E		-1		6	263.00	13:54:44	
9700.E		-7		2	254.00	13:56:15	
9725.E		-5		2	248.00	13:57:41	
9750.E		-6		2	239.00	13:59:11	
9775.E		-5		1	239.00	14:00:20	
9800.E		-5		-1	236.00	14:01:33	
9825.E		-5		-2	231.00	14:02:40	
9850.E		-4		-6	227.00	14:04:04	
9875.E		-0		-8	224.00	14:05:23	
9900.E		2		-9	217.00	14:08:44	
9925.E		5		-8	219.00	14:12:03	
9950.E		11		-6	222.00	14:13:43	
9975.E		16		-4	220.00	14:14:57	
10000.E		19		-4	240.00	14:16:38	
10025.E		21		-1	264.00	14:18:02	
10050.E		13		2	335.00	14:19:56	
10075.E		-18		-7	277.00	14:21:17	
10100.E		-19		-5	240.00	14:22:32	
10125.E		-15		-2	225.00	14:23:51	
10150.E		-11		0	219.00	14:25:17	
10175.E		-7		-0	221.00	14:41:25	



10200.E	-7	-1	215.00	14:42:31
10225.E	-2	-1	214.00	14:44:05
10250.E	-0	-1	213.00	14:45:16
10275.E	1	-1	220.00	14:46:53
10300.E	3	-2	223.00	14:48:14
10325.E	-1	-5	229.00	14:49:43
10350.E	-6	-8	220.00	14:51:22
10375.E	0	-10	206.00	14:53:04
10400.E	0	-9	206.00	14:54:07
10425.E	3	-9	201.00	14:55:21
10450.E	6	-6	212.00	14:57:24
10475.E	7	-6	218.00	14:58:51
10500.E	1	-9	229.00	15:00:36
10525.E	2	-9	228.00	15:02:19
10550.E	2	-10	231.00	15:03:36
10575.E	-4	-13	227.00	15:05:07
10600.E	-3	-17	199.00	15:08:03
10625.E	-0	-13	198.00	15:09:45
10650.E	8	-9	195.00	15:11:21
10675.E	12	-7	198.00	15:12:34
10700.E	13	-7	210.00	15:16:13
10725.E	16	-7	217.00	15:17:51
10750.E	13	-9	219.00	15:18:56
10775.E	13	-12	220.00	15:20:23
10800.E	16	-11	213.00	15:21:26
10825.E	22	-11	212.00	15:22:28
10850.E	26	-8	217.00	15:23:52
10875.E	26	-9	228.00	15:25:04
10900.E	23	-6	255.00	15:26:14
10925.E	13	-8	252.00	15:27:35
10950.E	12	-0	262.00	15:28:47
10975.E	-4	-4	243.00	15:30:34
11000.E	0	0	221.00	15:31:52

SCINTREX VI.6 VLF M-Field R1.4

VLF #1 24.8KHz

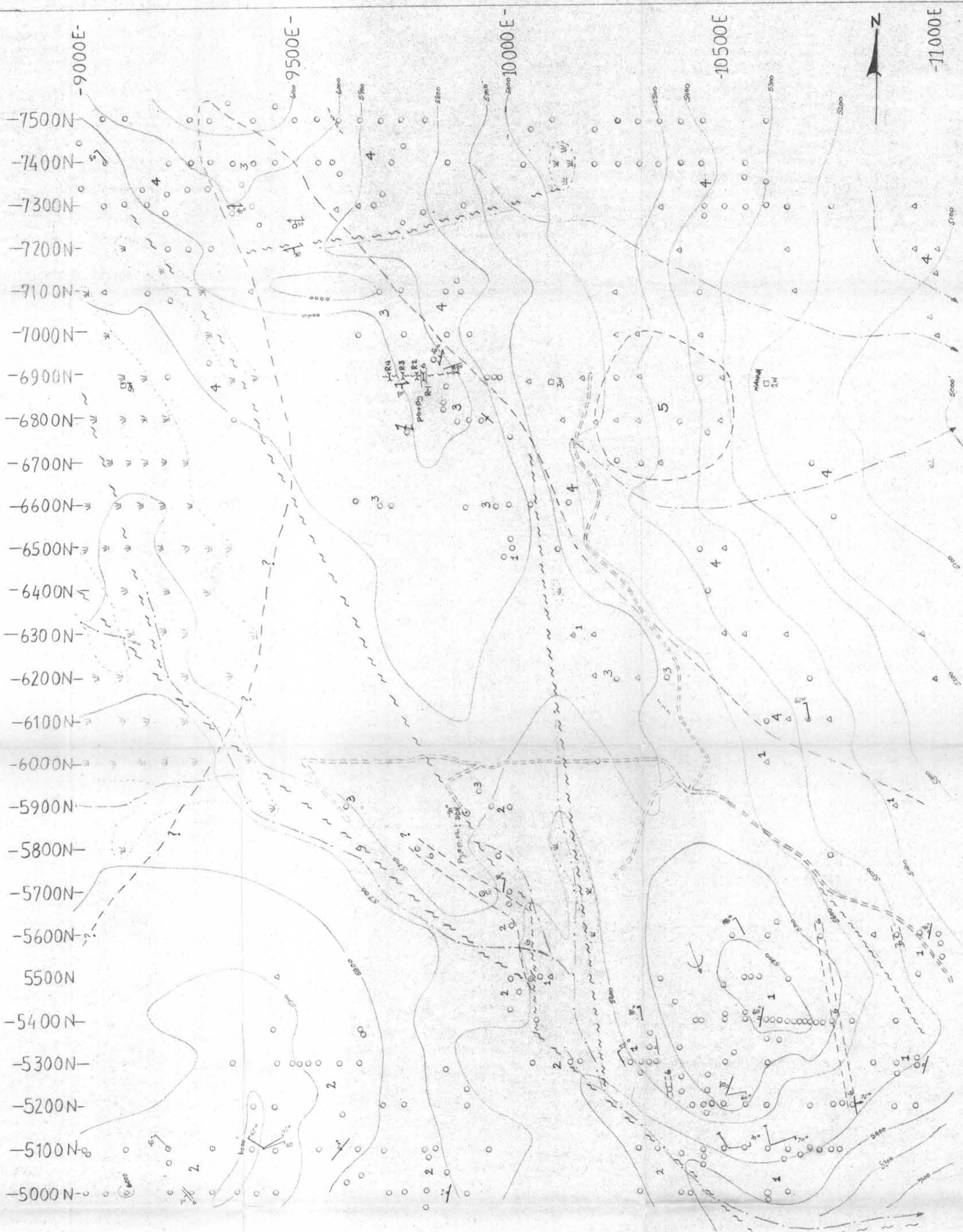
Ser No:840320.

Line: 6900.N Grid: 1. Job: 900. Date: 86/08/02 Operator: 1.

Station	Vert	IP	Vert	Q	Hor	Fld	Information
9000.E	1	0	230.00	12:44:10			
9025.E	0	2	222.00	12:42:41			
9050.E	2	1	223.00	12:41:47			
9075.E	5	0	216.00	12:40:44			
9100.E	14	3	202.00	12:39:10			
9125.E	17	3	221.00	12:37:58			
9150.E	19	1	211.00	12:36:27			
9175.E	21	0	227.00	12:35:05			
9200.E	22	1	228.00	12:33:51			
9225.E	20	1	234.00	12:32:37			
9250.E	25	0	220.00	12:30:54			
9275.E	26	0	236.00	12:29:27			
9300.E	30	1	242.00	12:28:05			
9325.E	29	2	251.00	12:26:51			
9350.E	22	0	270.00	12:25:42			

9375.E	18	2	256.00	12:24:35
9400.E	15	4	255.00	12:23:24
9425.E	16	5	246.00	12:22:16
9450.E	17	7	247.00	12:20:36
9475.E	15	6	244.00	12:19:12
9500.E	11	5	249.00	12:17:51
9525.E	10	4	238.00	12:16:09
9550.E	13	6	238.00	12:14:13
9575.E	14	7	245.00	12:12:54
9600.E	11	7	253.00	12:11:42
9625.E	12	9	245.00	12:10:33
9650.E	11	7	257.00	12:08:59
9675.E	10	8	236.00	12:07:24
9700.E	12	13	239.00	12:05:37
9725.E	20	19	237.00	12:03:54
9750.E	2	1	279.00	11:59:10
9775.E	2	-3	254.00	11:56:20
9800.E	-0	-5	251.00	11:54:48
9825.E	-2	-8	244.00	11:50:16
9850.E	-2	-8	230.00	11:47:16
9875.E	-0	-7	229.00	11:44:24
9900.E	2	-7	226.00	11:42:05
9925.E	8	-6	228.00	11:39:54
9950.E	12	-6	221.00	11:37:39
9975.E	13	-5	230.00	11:35:00
10000.E	15	-1	248.00	11:30:56
10025.E	16	1	276.00	11:29:00
10050.E	5	1	267.00	11:26:49
10075.E	1	5	262.00	11:25:05
10100.E	-1	5	278.00	11:23:41
10125.E	-14	-0	243.00	11:22:11
10150.E	-14	2	228.00	11:20:57
10175.E	-10	2	221.00	11:19:49
10200.E	-8	1	211.00	10:45:35
10225.E	-8	1	216.00	10:44:19
10250.E	-4	0	214.00	10:42:48
10275.E	-3	0	214.00	10:40:26
10300.E	0	2	218.00	10:38:08
10325.E	-0	-1	231.00	10:36:33
10350.E	-9	-9	214.00	10:34:44
10375.E	-10	-12	200.00	10:33:04
10400.E	-6	-10	204.00	10:31:22
10425.E	-0	-9	205.00	16:11:39
10450.E	3	-6	207.00	16:09:00
10475.E	4	-5	206.00	16:07:55
10500.E	5	-4	214.00	16:05:58
10525.E	1	-7	223.00	16:03:52
10550.E	-1	-8	223.00	16:02:24
10575.E	0	-7	227.00	16:00:56
10600.E	-8	-13	219.00	15:59:26
10625.E	-5	-15	196.00	15:57:38
10650.E	-1	-14	195.00	15:56:19
10675.E	3	-12	195.00	15:54:38
10700.E	10	-9	196.00	15:53:06
10725.E	11	-9	201.00	15:51:49

10750.E	17	-7	209.00	15:50:23
10775.E	14	-9	207.00	15:49:04
10800.E	15	-10	210.00	15:47:46
10825.E	20	-9	212.00	15:46:41
10850.E	24	-10	205.00	15:45:34
10875.E	27	-7	223.00	15:43:59
10900.E	30	-2	244.00	15:42:51
10925.E	24	-2	273.00	15:41:37
10950.E	10	-2	277.00	15:39:39
10975.E	-12	-6	244.00	15:38:00
11000.E	-10	-2	214.00	15:35:52



- ROCK UNITS**
- 6 leucogranite porphyry dykes
  - 5 grey, biotite-hornblende granodiorite
  - 4 pink, medium grained, biotite granodiorite
  - 3 biotite hornfels & hybrid schist
  - 2 grey & green, massive, crystal-lithic tuffs
  - 1 pale green, thinly bedded, ash tuffs

**LEGEND**

- Symbols**
- o local outcrop
  - Δ local subcrop or float
  - claim post
  - ⊗ hand-dug trench or open cut
  - R1 rock sample
  - ≡ swamp or muskeg
  - - - access road
  - ⋯ drainage
  - ~ fault lineament
  - bedding
  - - - fracture or joint
  - foliation
  - - - contact
  - contour (feet)

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

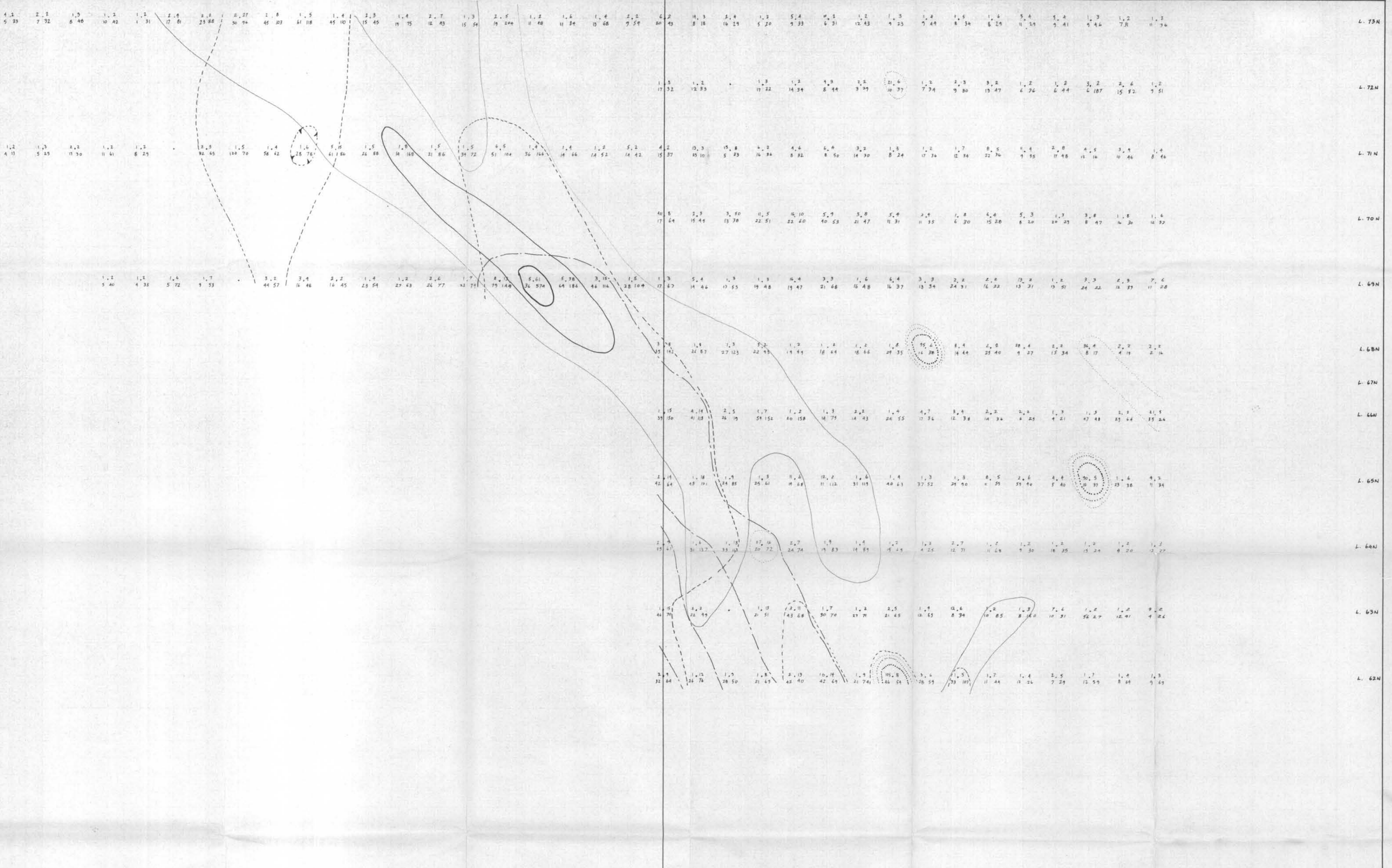
**15,869**



**GEOLOGICAL GRID MAP**

**GOLD WEATHER GROUP  
MCNULTY CREEK AREA, HEDLEY, B.C.  
92H/BW  
GOLDEN DAWN EXPLORATIONS LTD.**

Survey by: Peter Peto, Ph.D. DATE: 26 July 1986  
DRAWN BY: P. Peto SCALE: 1:5000



7,000 E

B.L. 10,000 E

L. 60N

MAP II : GEOCHEM

LEGEND

0m 50m 100m  
1:2500

ppb ppm SOILS GEOCHEM  
As As STATION POINT  
Cu Zn  
ppm ppm

THRESHOLD CONTOURS  
 — Zn : 80,160,320 ppm  
 - - - Cu : 30 ppm  
 ~ ~ ~ As : 10 ppm  
 ····· Au : 20 ppm

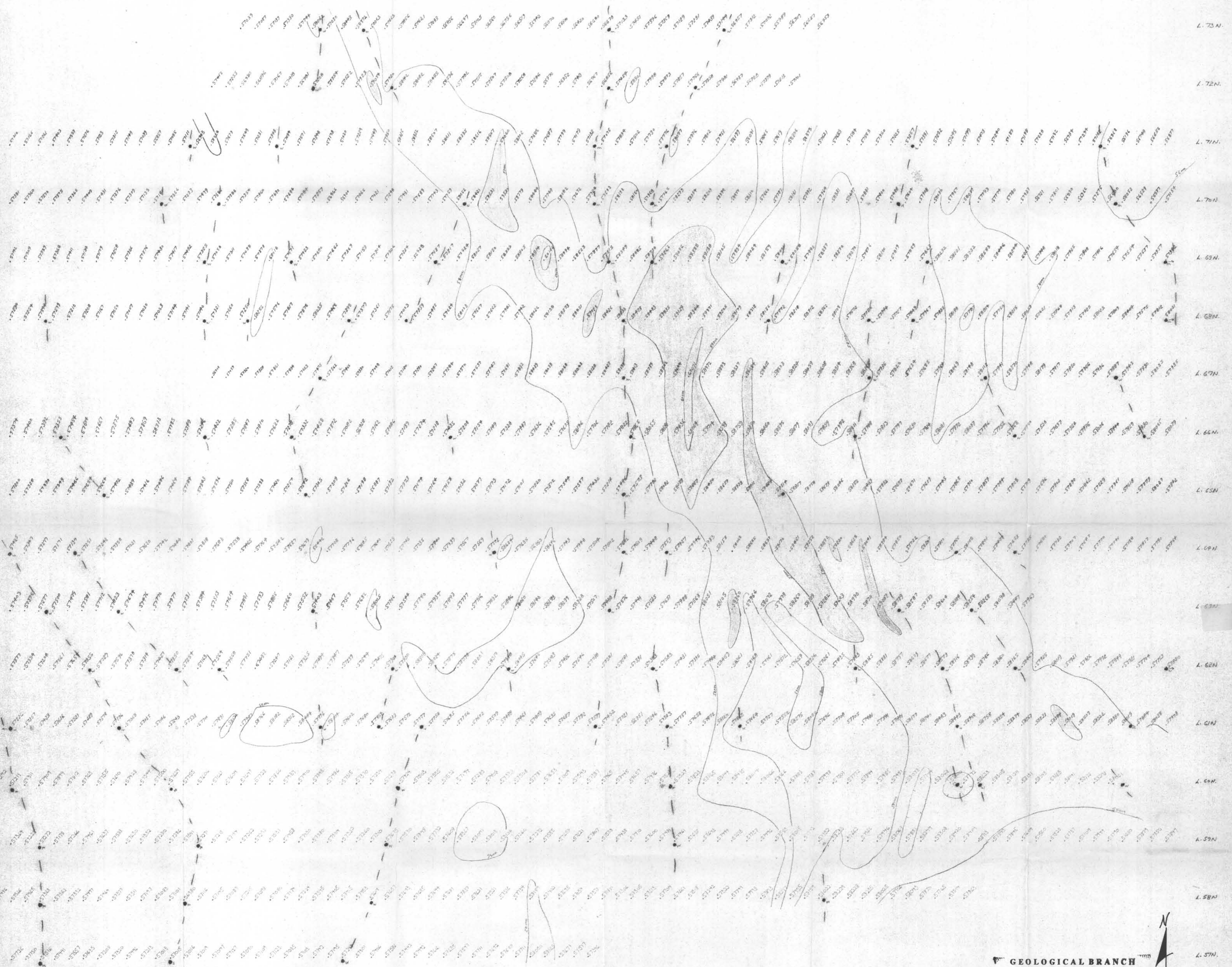


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,869

9000E 9100E 9200E 9300E 9400E 9500E 9600E 9700E 9800E 9900E 10000E 10100E 10200E 10300E 10400E 10500E 10600E 10700E 10800E 10900E 11000E

L. 75 N.  
L. 74 N.  
L. 73 N.  
L. 72 N.  
L. 71 N.  
L. 70 N.  
L. 69 N.  
L. 68 N.  
L. 67 N.  
L. 66 N.  
L. 65 N.  
L. 64 N.  
L. 63 N.  
L. 62 N.  
L. 61 N.  
L. 60 N.  
L. 59 N.  
L. 58 N.  
L. 57 N.

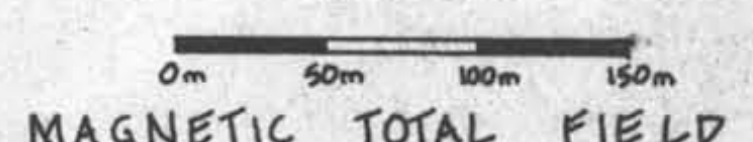


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,869

MAP III: MAG-VLF-EM  
GOLD WEATHER GROUP

1:2500



MAGNETIC TOTAL FIELD  
CONTOUR INTERVAL - 500 nT

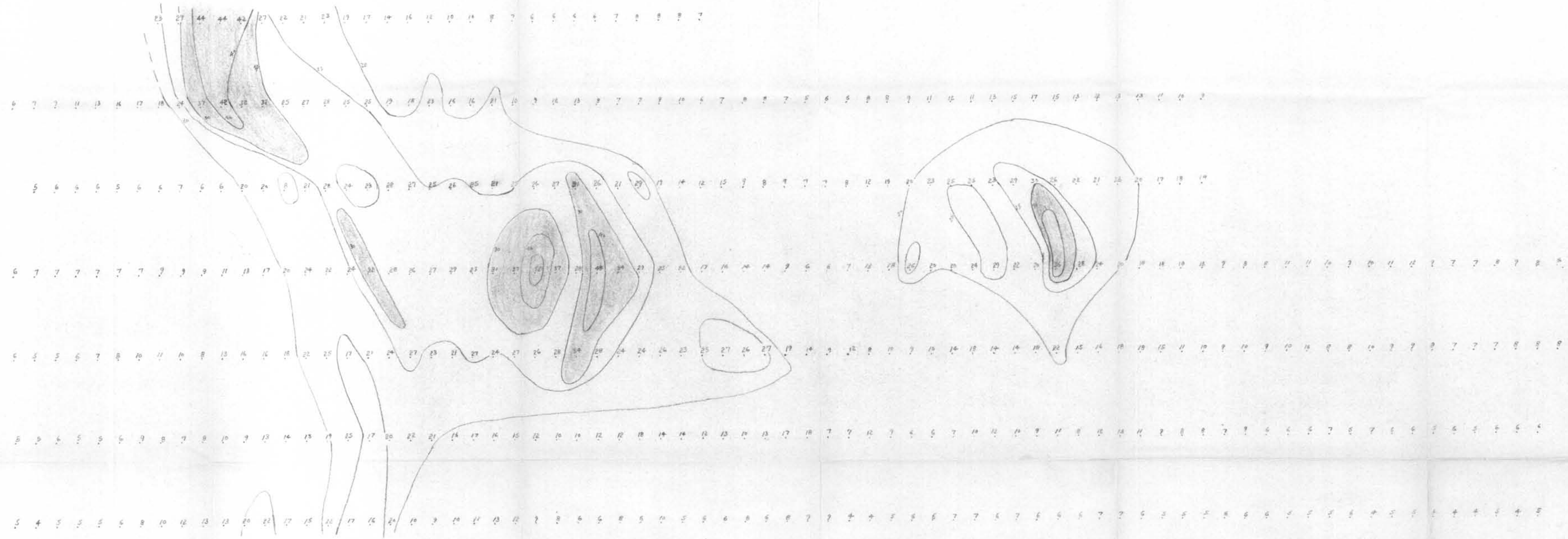
SHADED AREAS: > 59,000 nT

--- VLF ANOMALY AXES  
○ WEAK    ◐ MODERATE    ● STRONG

1000E 1100E 1200E 1300E 1400E 1500E 1600E 1700E 1800E 1900E 2000E 2100E 2200E 2300E 2400E 2500E 2600E 2700E 2800E 2900E 3000E

9000E. 9100E 9200E 9300E 9400E 9500E 9600E 9700E 9800E 9900E 10000E 10100E 10200E 10300E 10400E 10500E 10600E 10700E 10800E 10900E 11000E

L. 75N  
L. 74N  
L. 73N  
L. 72N  
L. 71N  
L. 70N  
L. 69N  
L. 68N  
L. 67N  
L. 66N  
L. 65N  
L. 64N  
L. 63N  
L. 62N  
L. 61N



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,869



MAP IV : CHARGEABILITY  
GOLD WEATHER GROUP  
I.P. SURVEY  
1:2500

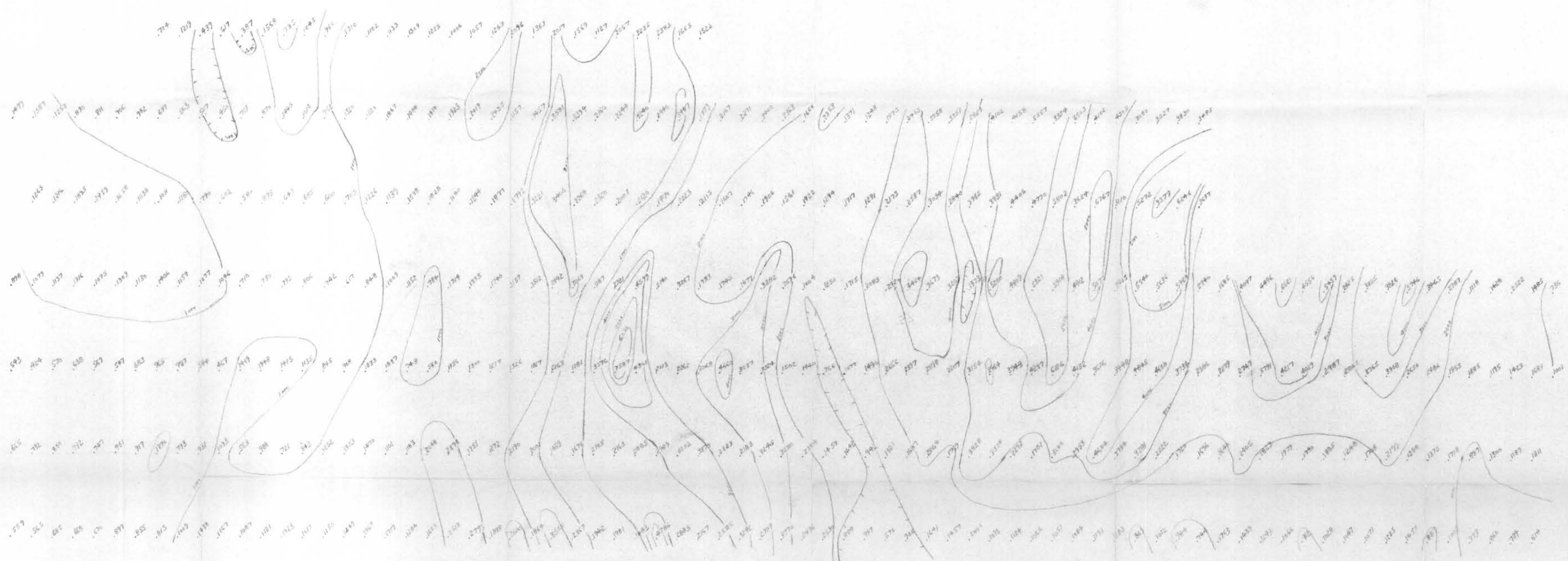
0m 50m 100m 150m

AB = 175m  
MN = 25m  
SECOND SLICE CHARGEABILITY

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 25

9000 E 9100 E 9200 E 9300 E 9400 E 9500 E 9600 E 9700 E 9800 E 9900 E 10000 E 10100 E 10200 E 10300 E 10400 E 10500 E 10600 E 10700 E 10800 E 10900 E 11000 E

LINE 75N  
LINE 74N  
LINE 73N  
LINE 72N  
LINE 71N  
LINE 70N  
LINE 69N  
LINE 68N  
LINE 67N  
LINE 66N  
LINE 65N  
LINE 64N  
LINE 63N  
LINE 62N  
LINE 61N



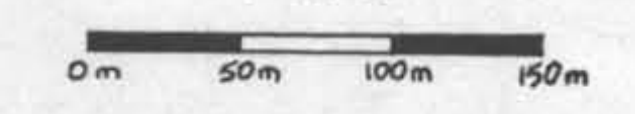
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,869



MAP V: I.P. RESISTIVITY  
GOLD WEATHER GROUP

1:2500



AB = 175 m  
MN = 25 m  
SCHLUMBERGER ARRAY

1000 990 980 970 960 950 940 930 920 910 900 890 880 870 860 850 840 830 820 810 800 790 780 770 760 750 740 730 720 710 700 690 680 670 660 650 640 630 620 610 600 590 580 570 560 550 540 530 520 510 500 490 480 470 460 450 440 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0

1000 990 980 970 960 950 940 930 920 910 900 890 880 870 860 850 840 830 820 810 800 790 780 770 760 750 740 730 720 710 700 690 680 670 660 650 640 630 620 610 600 590 580 570 560 550 540 530 520 510 500 490 480 470 460 450 440 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0